

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
 Data File : BG057124.D
 Acq On : 17 Apr 2023 23:57
 Operator : CG/JU
 Sample : 02370-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-04-041423

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/18/2023
 Supervised By : Jagrut Upadhyay 04/18/2023

Quant Time: Apr 18 01:23:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 19:00:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.402	152	20571	20.000	ng	0.00
21) Naphthalene-d8	11.239	136	78971	20.000	ng	# 0.00
39) Acenaphthene-d10	15.011	164	50142	20.000	ng	0.00
64) Phenanthrene-d10	17.754	188	70305	20.000	ng	0.00
76) Chrysene-d12	22.078	240	83038	20.000	ng	# 0.00
86) Perylene-d12	25.620	264	93526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.911	112	42102	32.756	ng	0.00
7) Phenol-d6	7.533	99	76573	39.833	ng	0.00
23) Nitrobenzene-d5	9.577	82	68717	35.605	ng	0.00
42) 2,4,6-Tribromophenol	16.497	330	39645	49.492	ng	0.00
45) 2-Fluorobiphenyl	13.636	172	141624	38.300	ng	0.00
79) Terphenyl-d14	20.327	244	204161	41.604	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	15.075	154	6429	2.090	ng	94
58) Fluorene	16.056	166	11326	2.965	ng	# 97
71) Phenanthrene	17.795	178	89668	25.016	ng	99
72) Anthracene	17.883	178	22342	6.080	ng	99
75) Fluoranthene	19.787	202	175869	38.705	ng	97
78) Pyrene	20.151	202	180937	31.504	ng	97
81) Benzo(a)anthracene	22.054	228	102360	17.813	ng	97
83) Chrysene	22.125	228	87732	16.306	ng	95
87) Indeno(1,2,3-cd)pyrene	29.714	276	45765m	6.621	ng	
88) Benzo(b)fluoranthene	24.486	252	113698	19.441	ng	# 92
89) Benzo(k)fluoranthene	24.545	252	49341m	8.451	ng	
90) Benzo(a)pyrene	25.450	252	89826	15.630	ng	# 98
92) Benzo(g,h,i)perylene	31.007	276	41864m	7.525	ng	

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

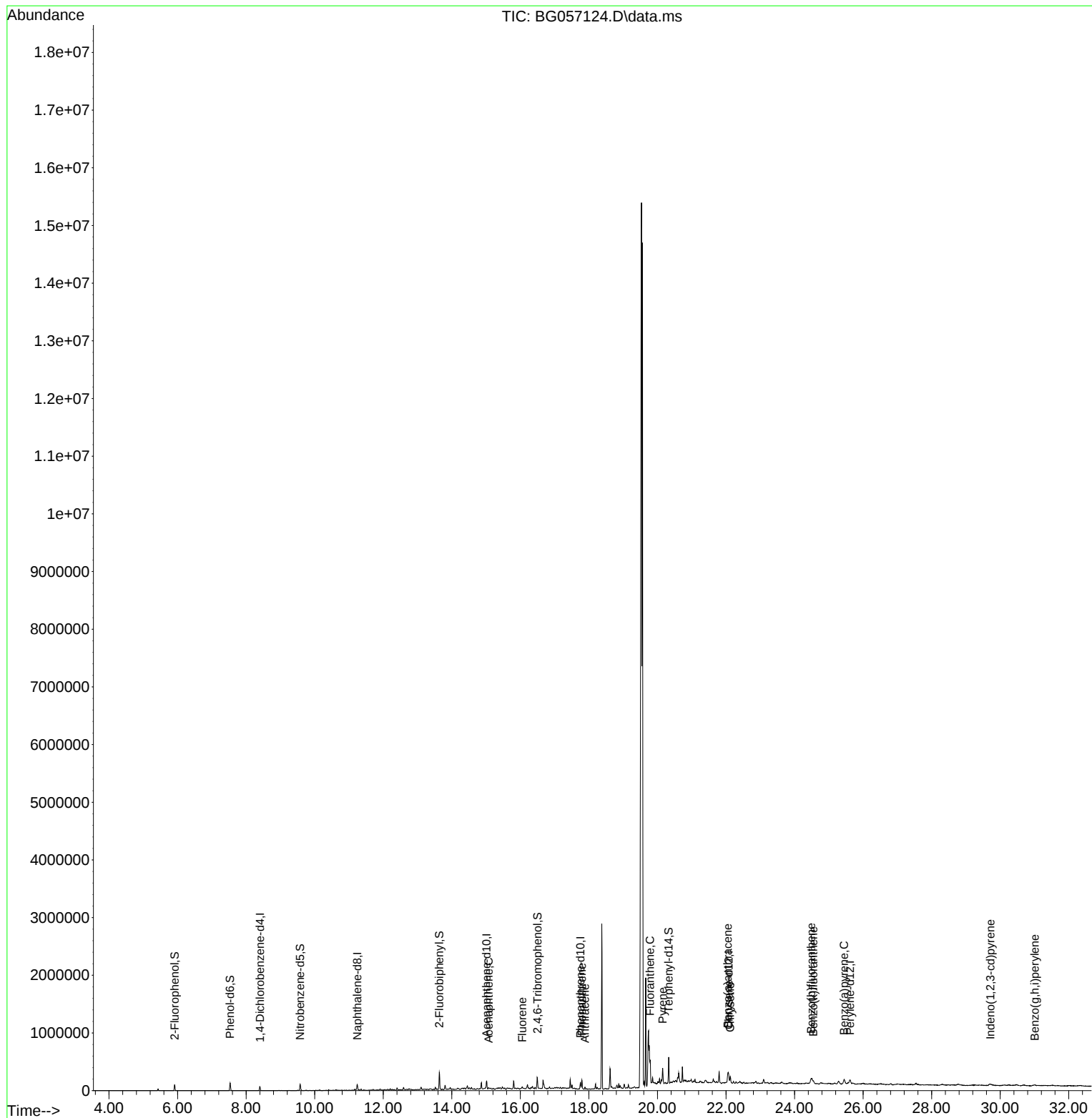
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
Data File : BG057124.D
Acq On : 17 Apr 2023 23:57
Operator : CG/JU
Sample : 02370-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

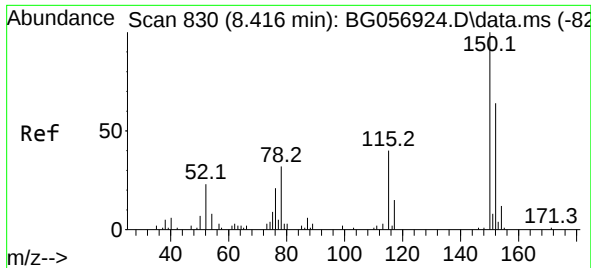
Instrument :
BNA_G
ClientSampleId :
HR-04-041423

Quant Time: Apr 18 01:23:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 19:00:08 2023
Response via : Initial Calibration

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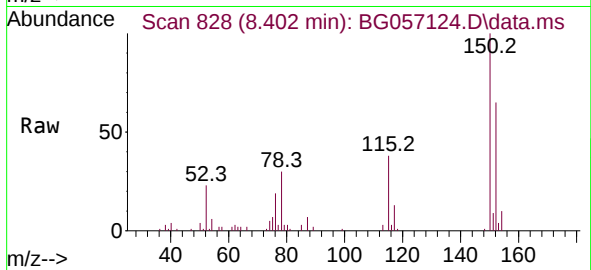
Reviewed By : Christian Giraldo 04/18/2023
Supervised By : Jagrut Upadhyay 04/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.402 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

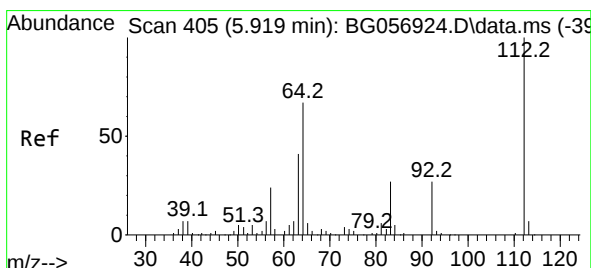
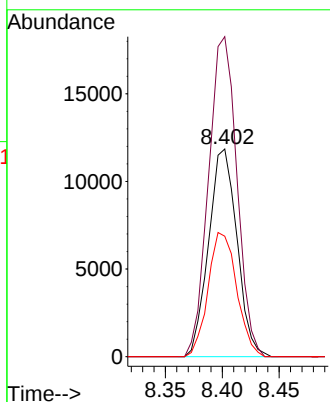
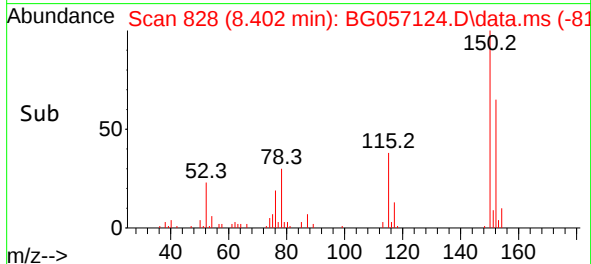
Instrument :
BNA_G
ClientSampleId :
HR-04-041423



Tgt Ion:152 Resp: 2057
Ion Ratio Lower Upper
152 100
150 154.1 124.1 186.1
115 58.0 49.1 73.7

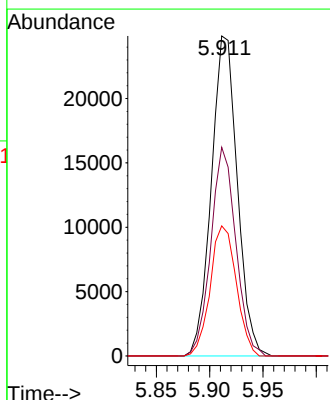
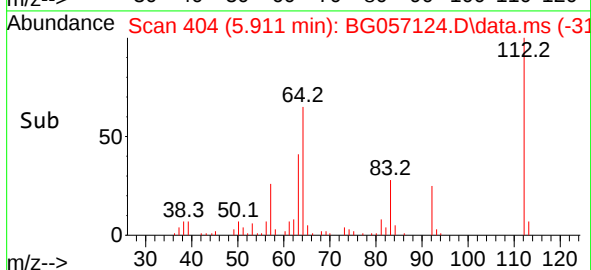
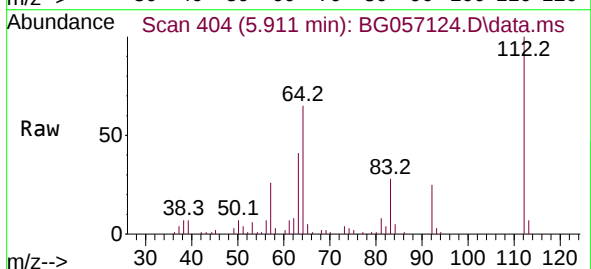
Manual Integrations
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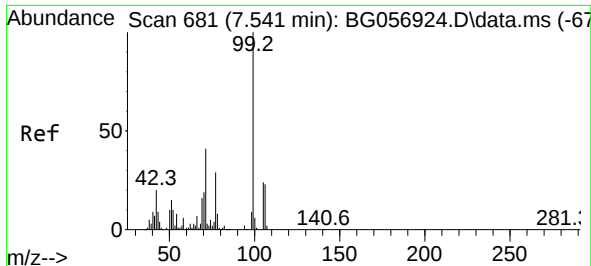
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#5
2-Fluorophenol
Concen: 32.756 ng
RT: 5.911 min Scan# 404
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Tgt Ion:112 Resp: 42102
Ion Ratio Lower Upper
112 100
64 65.2 53.2 79.8
63 40.7 32.6 48.8





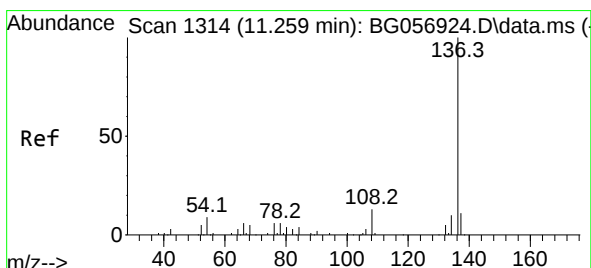
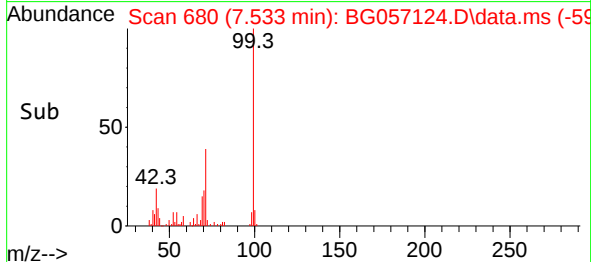
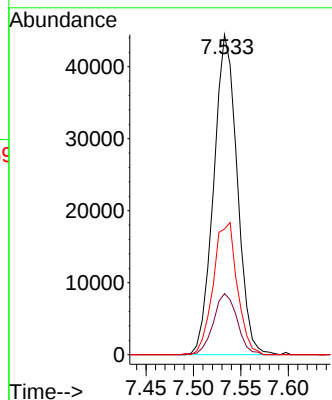
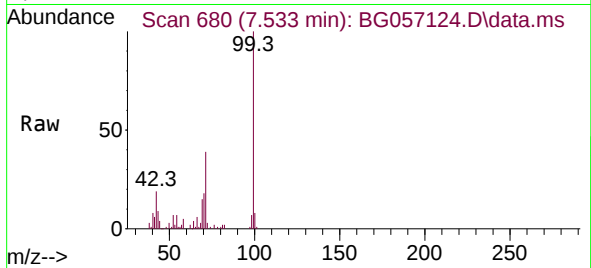
#7
Phenol-d6
Concen: 39.833 ng
RT: 7.533 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Instrument :
BNA_G
ClientSampleId :
HR-04-041423

Tgt Ion: 99 Resp: 7657
Ion Ratio Lower Upper
99 100
42 19.1 15.7 23.5
71 39.3 32.5 48.7

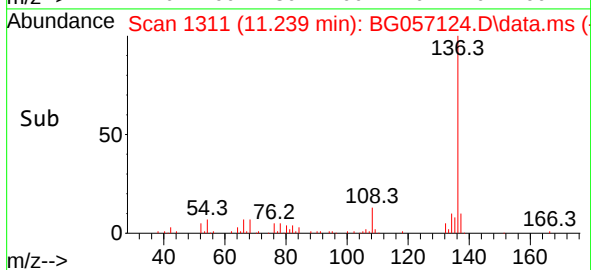
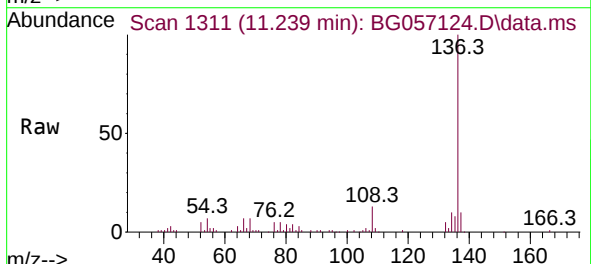
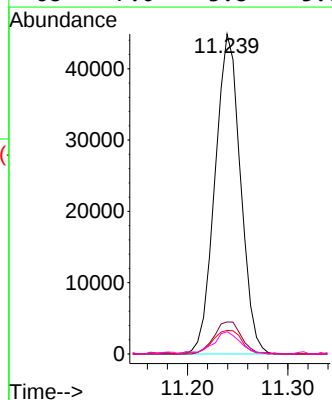
Manual Integrations
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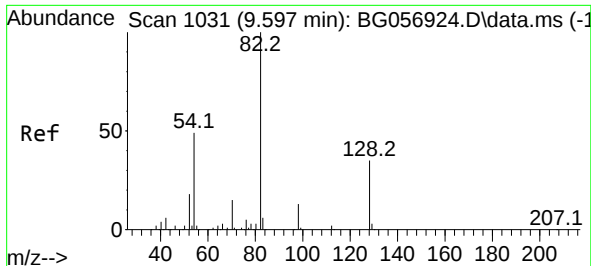
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.239 min Scan# 1311
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Tgt Ion:136 Resp: 78971
Ion Ratio Lower Upper
136 100
137 10.0 8.6 13.0
54 7.3 6.9 10.3
68 7.0 3.8 5.6#





#23
Nitrobenzene-d5
Concen: 35.605 ng
RT: 9.577 min Scan# 1028
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

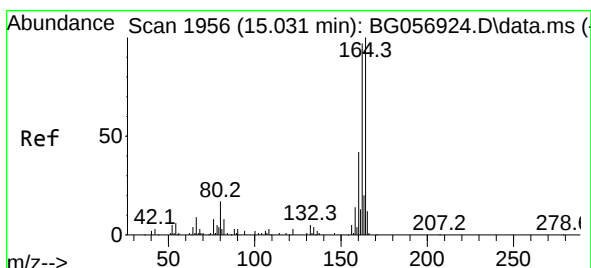
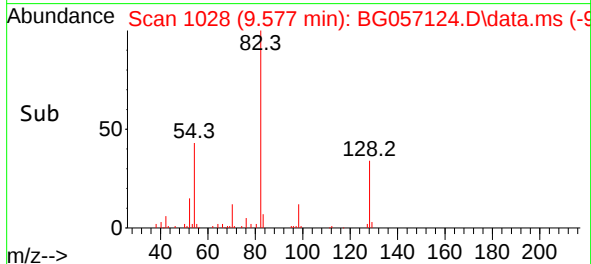
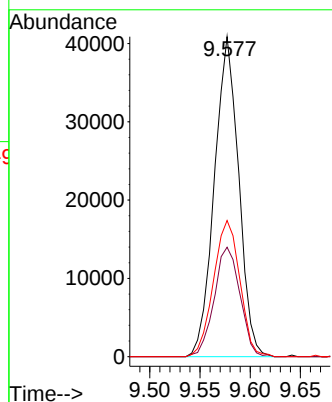
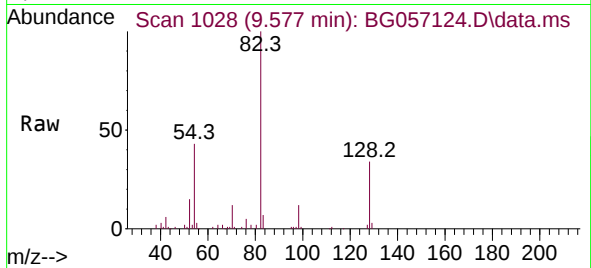
ClientSampleId :

HR-04-041423

Tgt Ion: 82 Resp: 6871
Ion Ratio Lower Upper
82 100
128 34.2 27.9 41.9
54 42.6 39.4 59.2

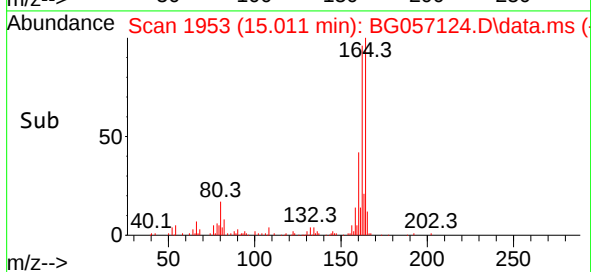
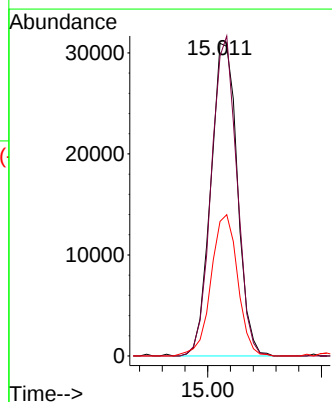
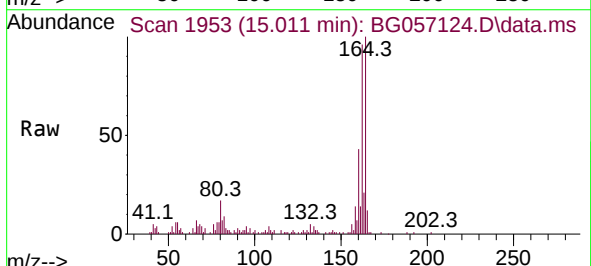
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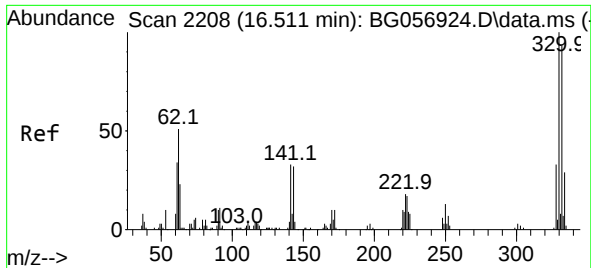
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.011 min Scan# 1953
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Tgt Ion:164 Resp: 50142
Ion Ratio Lower Upper
164 100
162 95.9 77.8 116.8
160 43.0 33.5 50.3





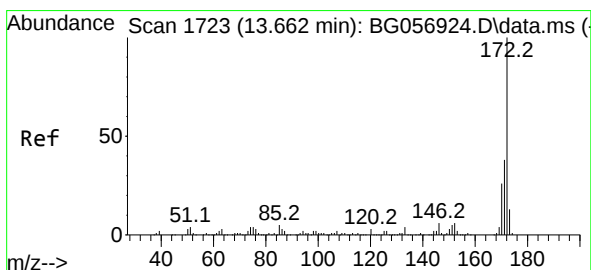
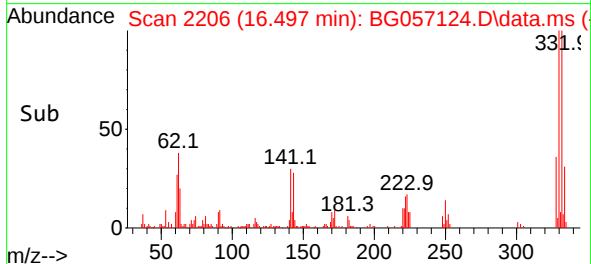
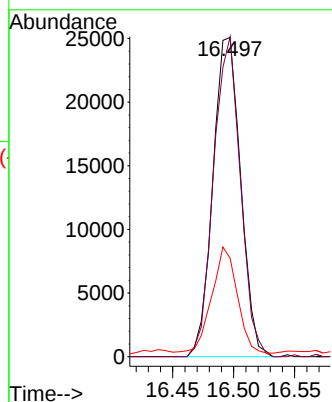
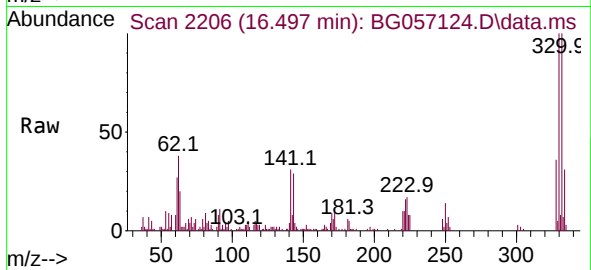
#42
2,4,6-Tribromophenol
Concen: 49.492 ng
RT: 16.497 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Instrument :
BNA_G
ClientSampleId :
HR-04-041423

Tgt Ion:330 Resp: 3964
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 30.9 25.8 38.6

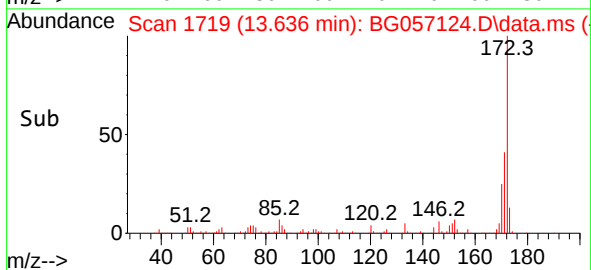
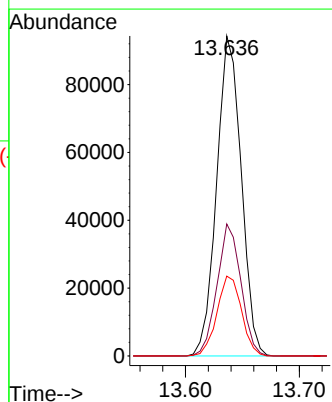
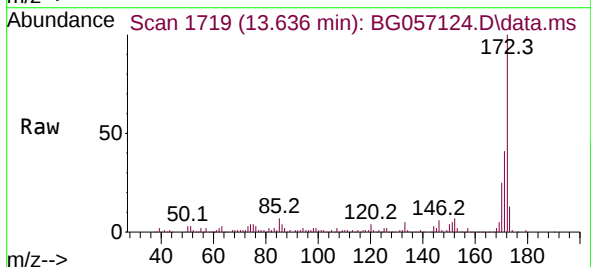
Manual Integrations
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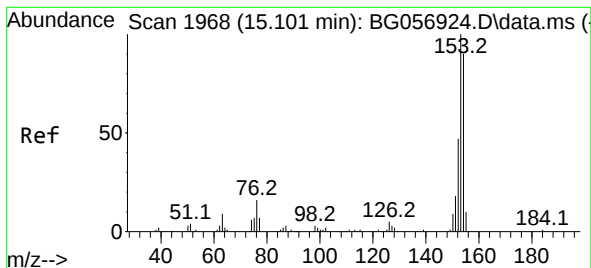
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#45
2-Fluorobiphenyl
Concen: 38.300 ng
RT: 13.636 min Scan# 1719
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

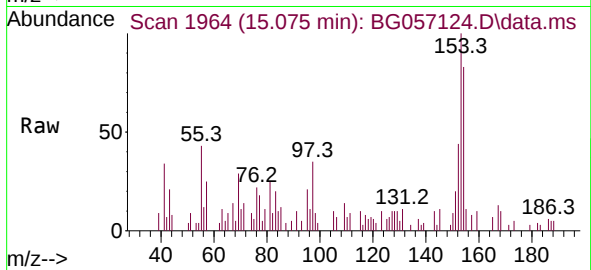
Tgt Ion:172 Resp: 141624
Ion Ratio Lower Upper
172 100
171 41.3 30.6 46.0
170 25.0 20.6 30.8





#52
Acenaphthene
Concen: 2.090 ng
RT: 15.075 min Scan# 1964
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

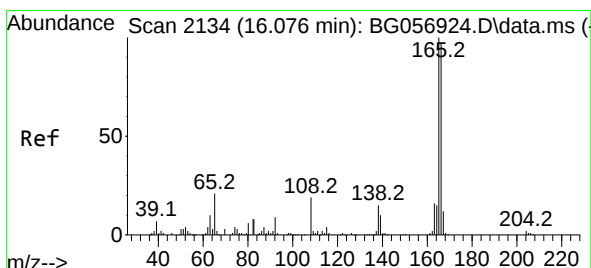
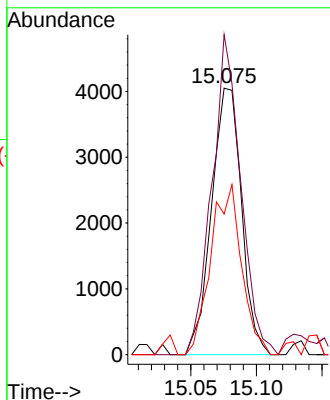
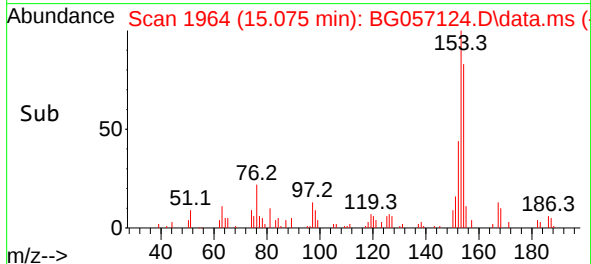
Instrument :
BNA_G
ClientSampleId :
HR-04-041423



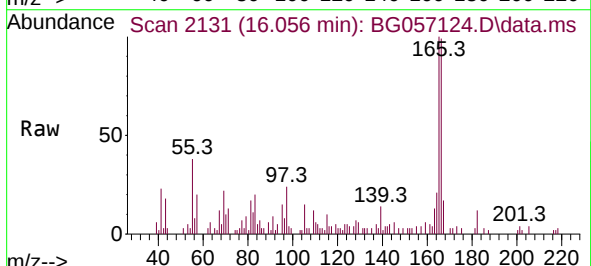
Tgt Ion:154 Resp: 6429
Ion Ratio Lower Upper
154 100
153 120.0 88.9 133.3
152 52.8 41.8 62.8

Manual Integrations
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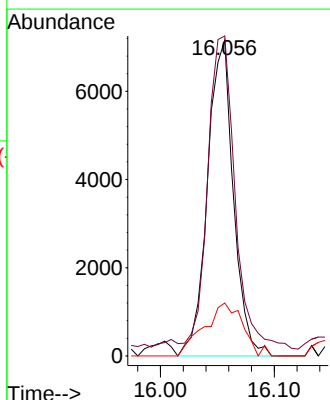
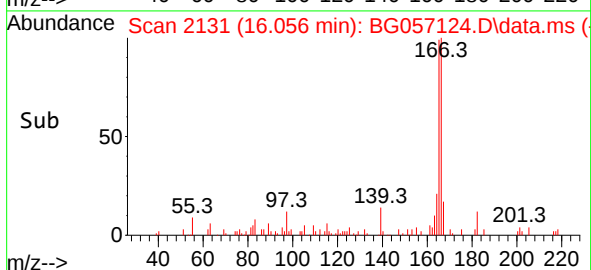
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023

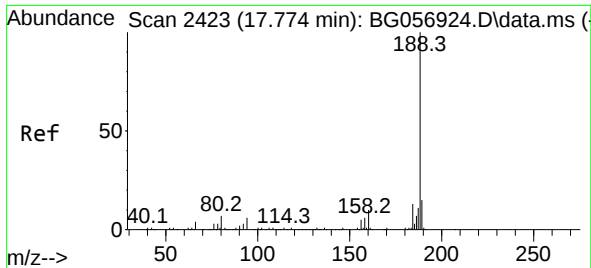


#58
Fluorene
Concen: 2.965 ng
RT: 16.056 min Scan# 2131
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57



Tgt Ion:166 Resp: 11326
Ion Ratio Lower Upper
166 100
165 101.3 82.6 123.8
167 16.8 10.2 15.2#





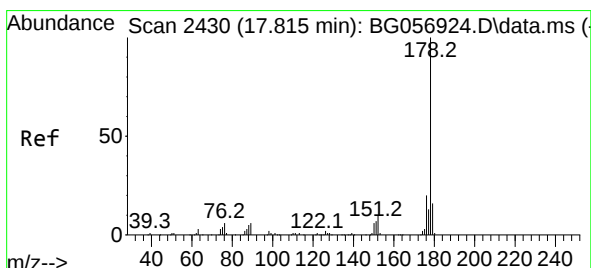
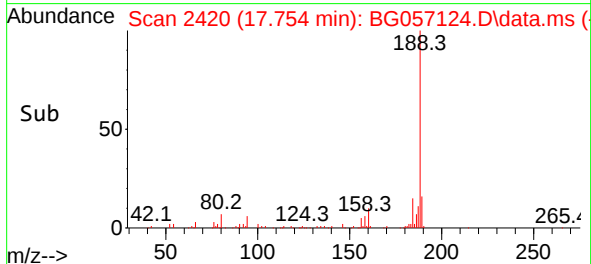
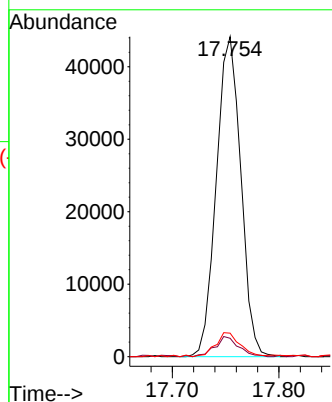
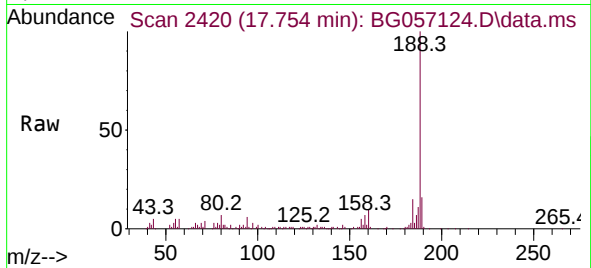
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.754 min Scan# 2420
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Instrument :
BNA_G
ClientSampleId :
HR-04-041423

Tgt Ion:188 Resp: 7030
Ion Ratio Lower Upper
188 100
94 5.8 4.6 6.8
80 7.4 5.5 8.3

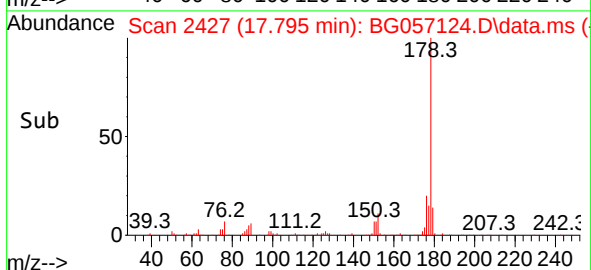
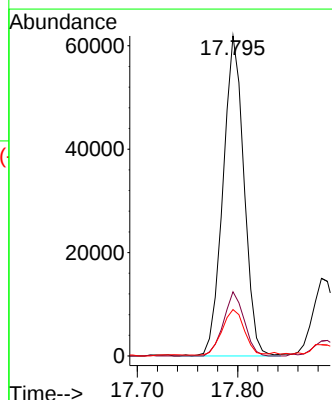
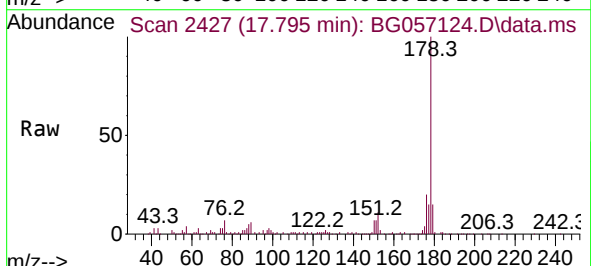
Manual Integrations
APPROVED

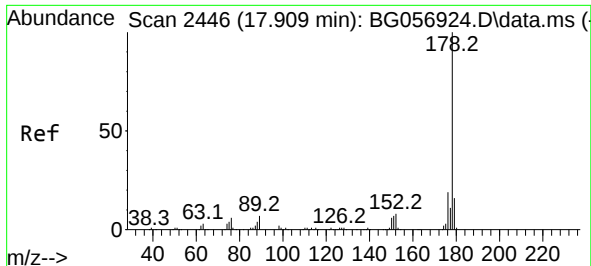
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#71
Phenanthrene
Concen: 25.016 ng
RT: 17.795 min Scan# 2427
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

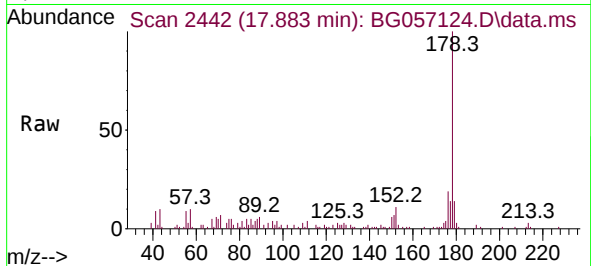
Tgt Ion:178 Resp: 89668
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 14.5 12.5 18.7





#72
 Anthracene
 Concen: 6.080 ng
 RT: 17.883 min Scan# 2446
 Delta R.T. -0.009 min
 Lab File: BG057124.D
 Acq: 17 Apr 2023 23:57

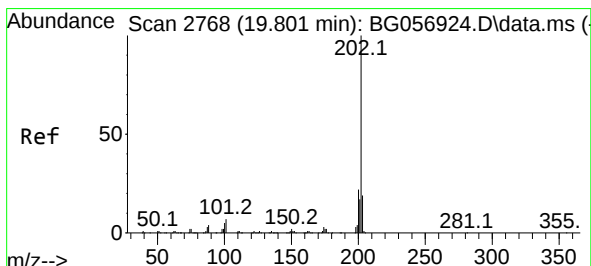
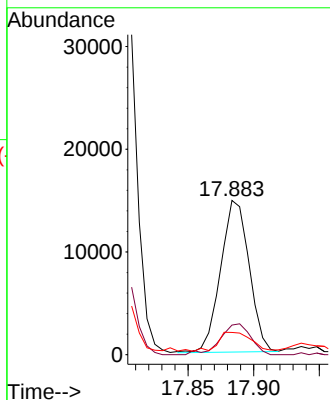
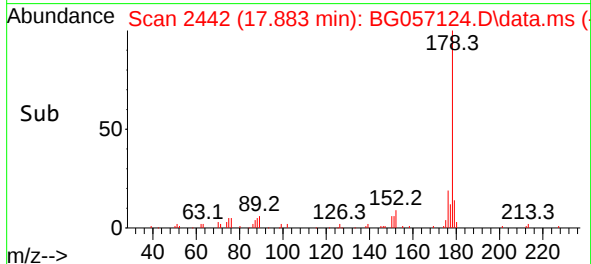
Instrument :
 BNA_G
 ClientSampleId :
 HR-04-041423



Tgt Ion:178 Resp: 2234
 Ion Ratio Lower Upper
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 176 19.2 15.4 23.2
 179 14.5 12.4 18.6

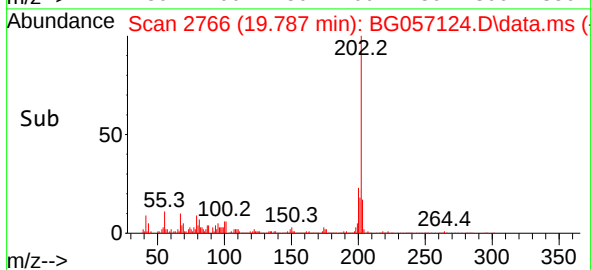
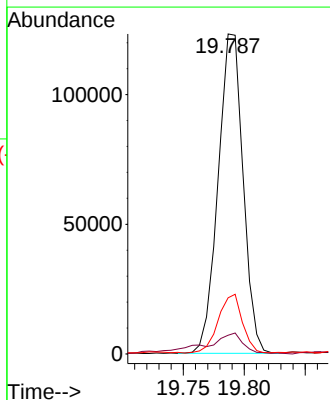
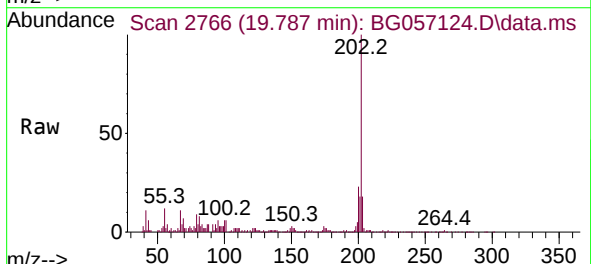
Manual Integrations
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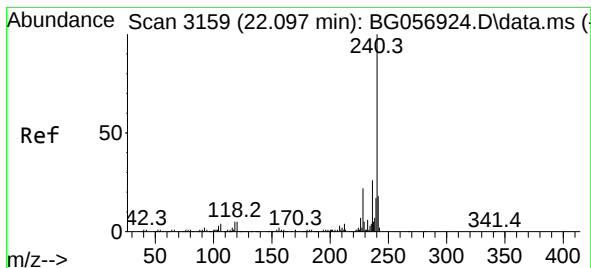
Reviewed By :Christian Giraldo 04/18/2023
 Supervised By :Jagrut Upadhyay 04/18/2023



#75
 Fluoranthene
 Concen: 38.705 ng
 RT: 19.787 min Scan# 2766
 Delta R.T. -0.003 min
 Lab File: BG057124.D
 Acq: 17 Apr 2023 23:57

Tgt Ion:202 Resp: 175869
 Ion Ratio Lower Upper
 202 100
 101 5.8 0.0 26.7
 203 17.6 0.0 39.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.078 min Scan# 3156

Delta R.T. -0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-041423

Tgt Ion:240 Resp: 83038

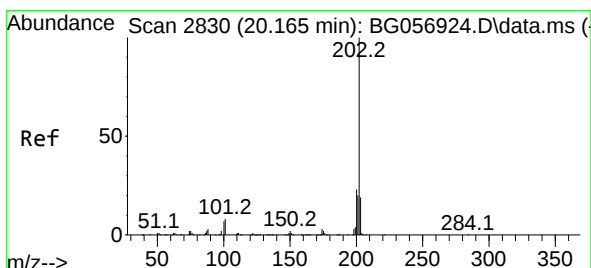
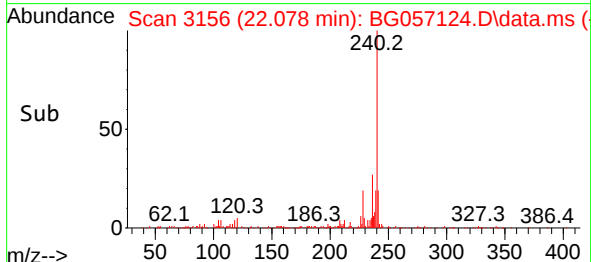
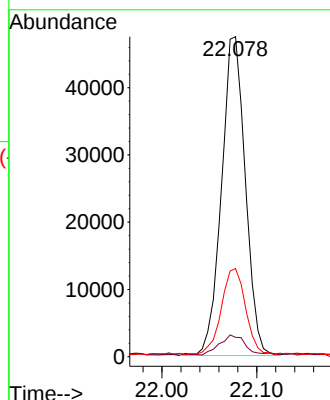
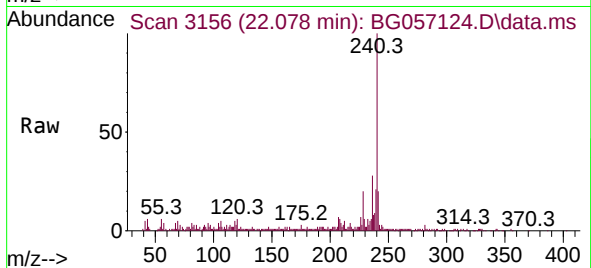
Ion	Ratio	Lower	Upper
240	100		
120	6.1	3.8	5.6
236	27.6	21.0	31.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/18/2023

Supervised By :Jagrut Upadhyay 04/18/2023



#78

Pyrene

Concen: 31.504 ng

RT: 20.151 min Scan# 2828

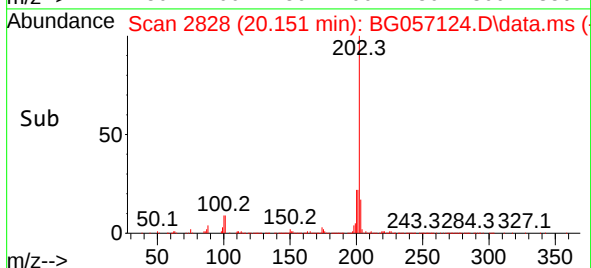
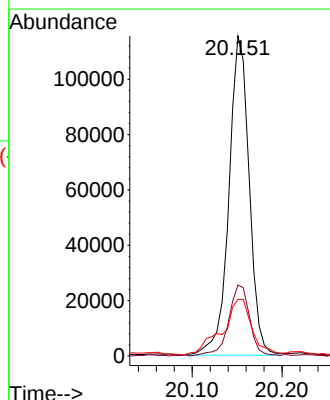
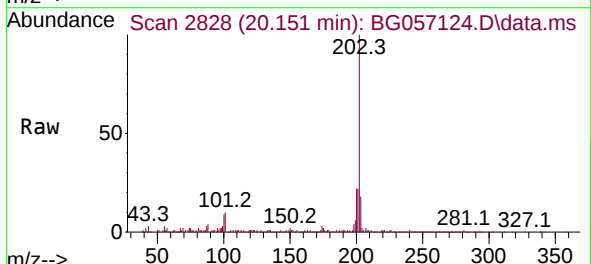
Delta R.T. 0.003 min

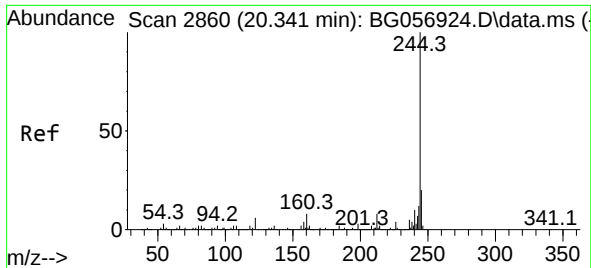
Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Tgt Ion:202 Resp: 180937

Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.7	28.1
203	17.7	15.4	23.2





#79
 Terphenyl-d14
 Concen: 41.604 ng
 RT: 20.327 min Scan# 20416
 Delta R.T. 0.003 min
 Lab File: BG057124.D
 Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

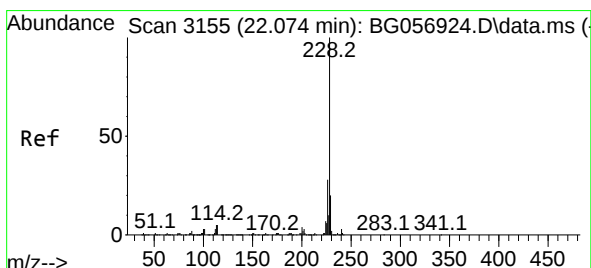
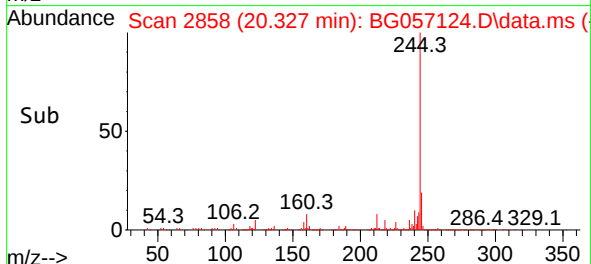
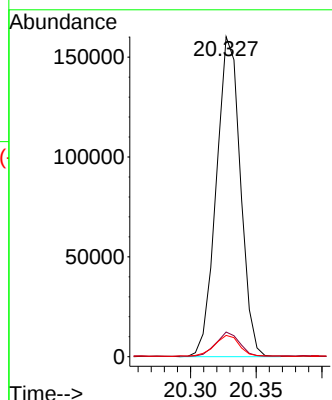
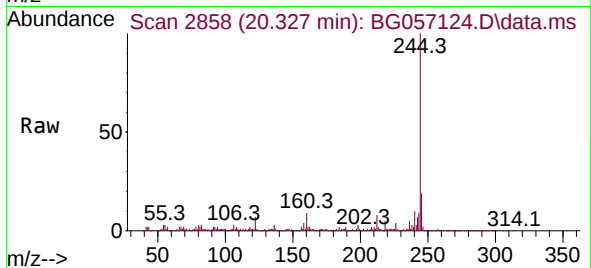
ClientSampleId :

HR-04-041423

Tgt Ion:244 Resp: 20416
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 6.7 5.0 7.4

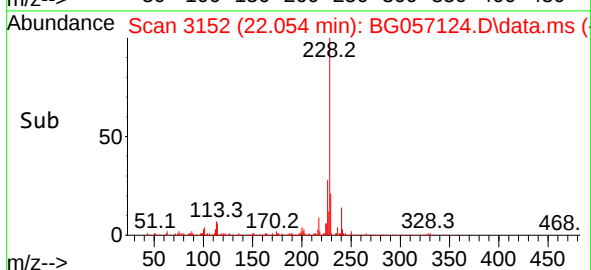
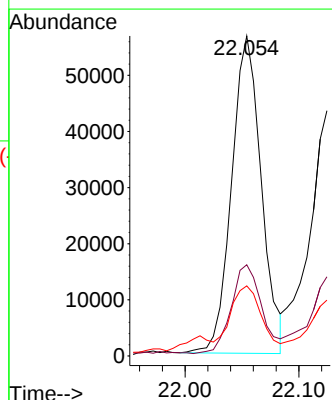
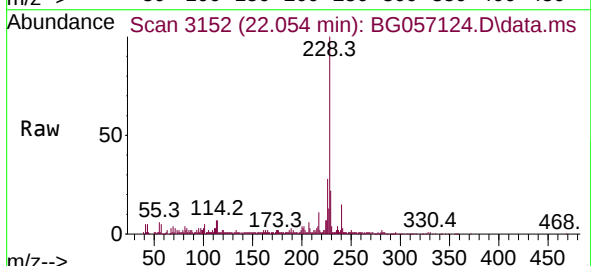
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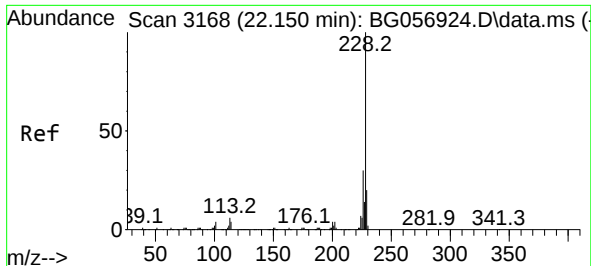
Reviewed By :Christian Giraldo 04/18/2023
 Supervised By :Jagrut Upadhyay 04/18/2023



#81
 Benzo(a)anthracene
 Concen: 17.813 ng
 RT: 22.054 min Scan# 3152
 Delta R.T. -0.003 min
 Lab File: BG057124.D
 Acq: 17 Apr 2023 23:57

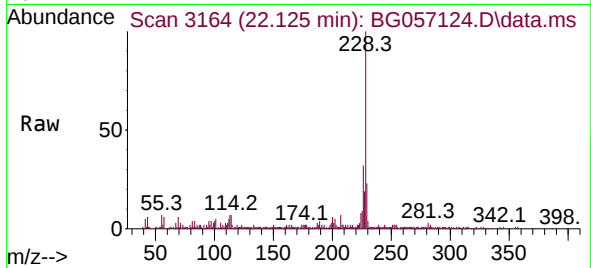
Tgt Ion:228 Resp: 102360
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.1 33.1
 229 21.9 16.1 24.1





#83
Chrysene
Concen: 16.306 ng
RT: 22.125 min Scan# 3168
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

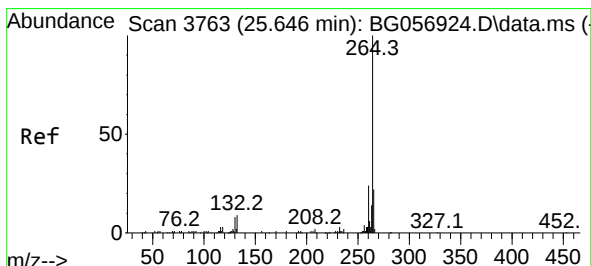
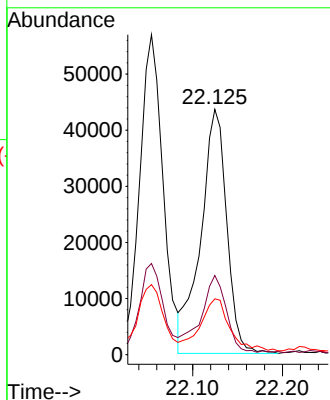
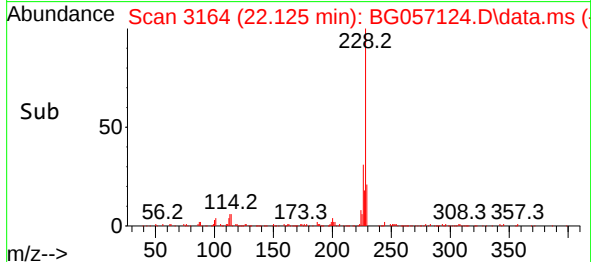
Instrument :
BNA_G
ClientSampleId :
HR-04-041423



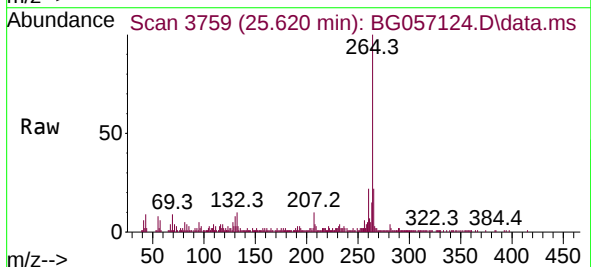
Tgt Ion:228 Resp: 87732
Ion Ratio Lower Upper
228 100
226 32.3 24.1 36.1
229 22.8 15.6 23.4

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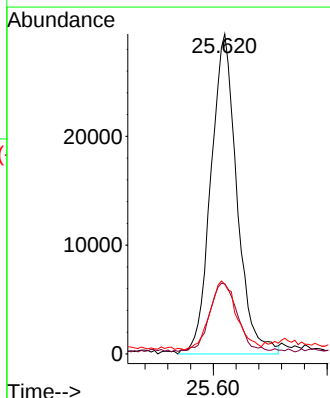
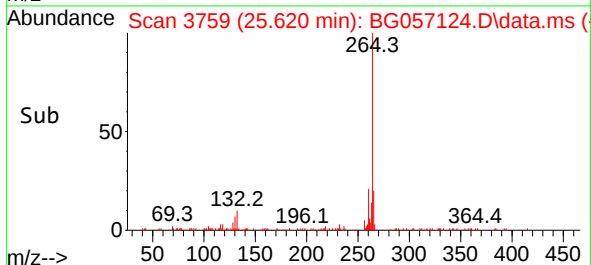
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023

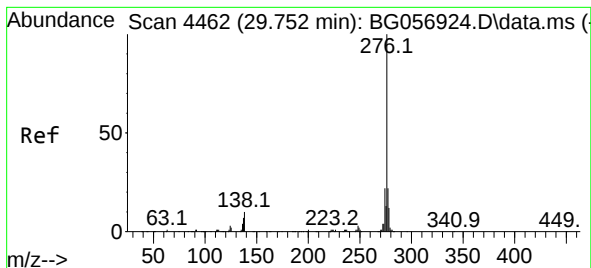


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.620 min Scan# 3759
Delta R.T. 0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57



Tgt Ion:264 Resp: 93526
Ion Ratio Lower Upper
264 100
260 21.9 19.0 28.4
265 21.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.621 ng m

RT: 29.714 min Scan# 4462

Delta R.T. 0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-041423

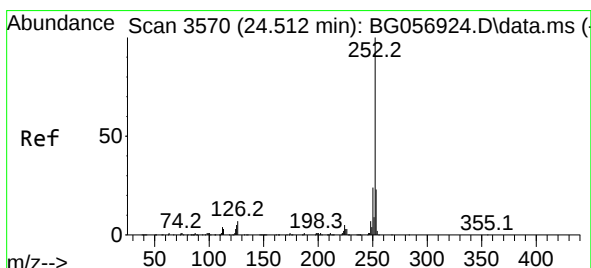
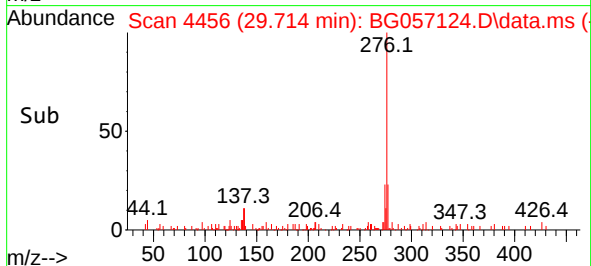
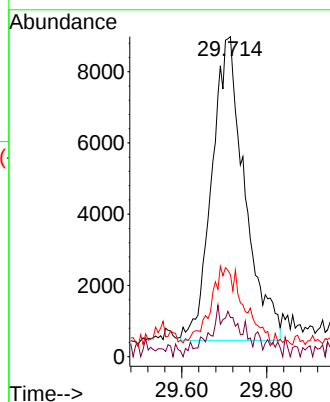
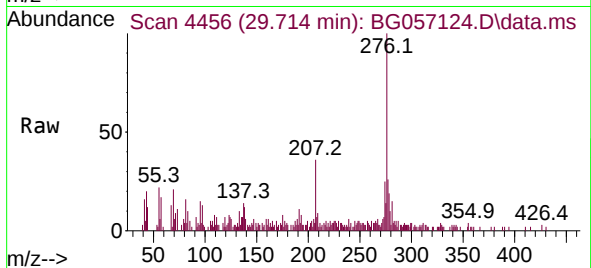
Tgt Ion:	276	Resp:	4576
Ion Ratio	Lower	Upper	
276	100		
138	0.0	7.7	11.5
277	0.0	21.0	31.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/18/2023

Supervised By :Jagrut Upadhyay 04/18/2023



#88

Benzo(b)fluoranthene

Concen: 19.441 ng

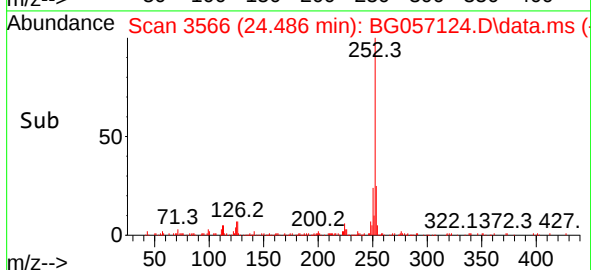
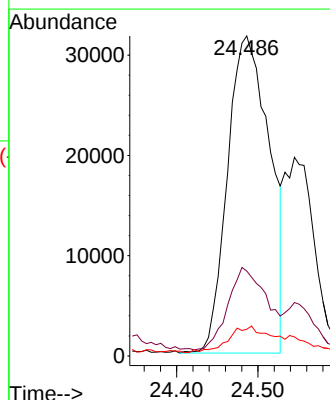
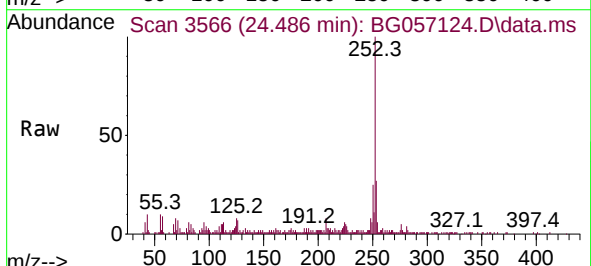
RT: 24.486 min Scan# 3566

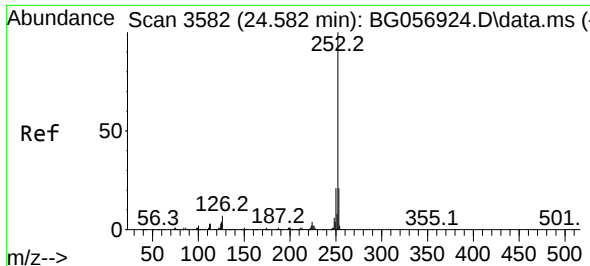
Delta R.T. 0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Tgt Ion:	252	Resp:	113698
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.1	27.1
125	8.3	4.2	6.4





#89
Benzo(k)fluoranthene
Concen: 8.451 ng m
RT: 24.545 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

ClientSampleId :

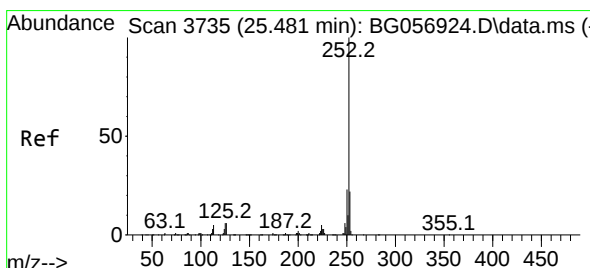
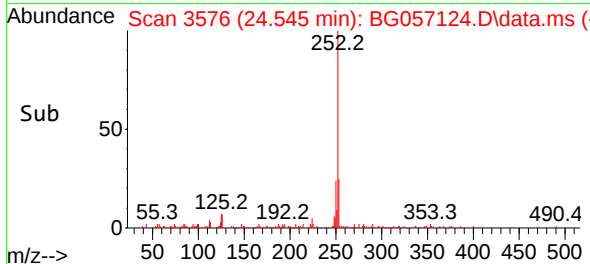
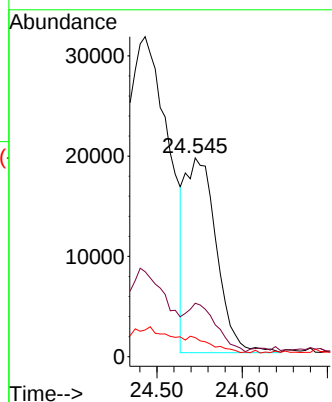
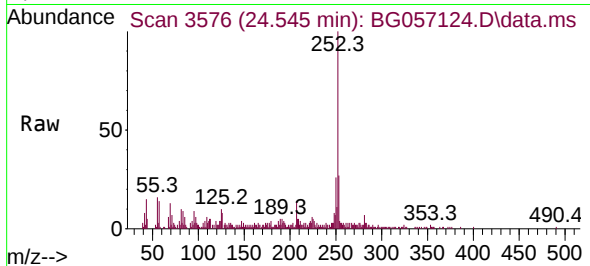
HR-04-041423

Tgt Ion:252 Resp: 4934
Ion Ratio Lower Upper
252 100
253 26.9 17.1 25.7
125 9.6 3.8 5.6

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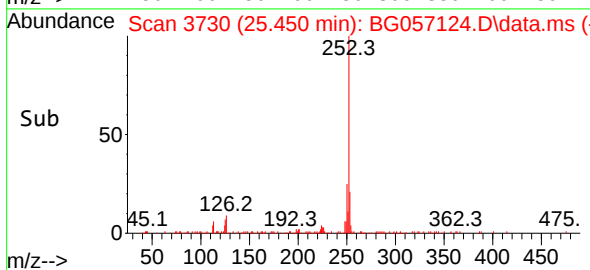
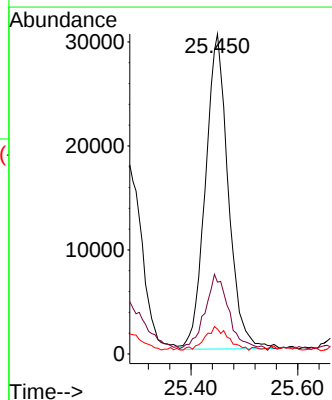
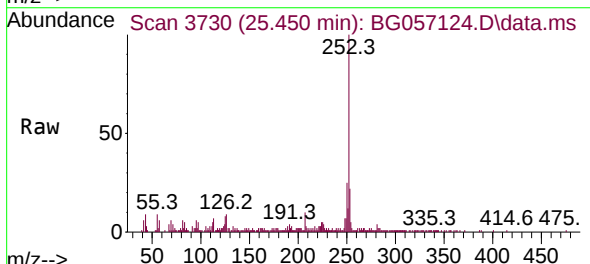
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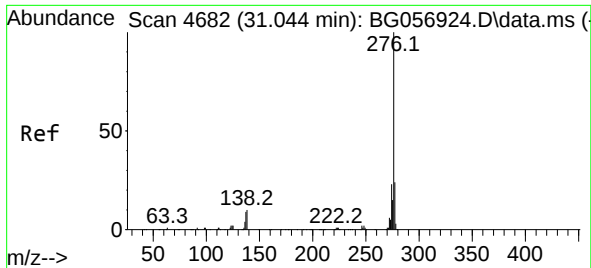
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#90
Benzo(a)pyrene
Concen: 15.630 ng
RT: 25.450 min Scan# 3730
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

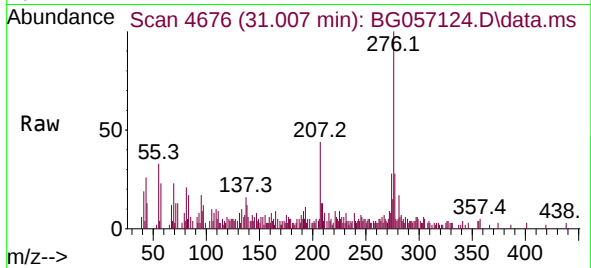
Tgt Ion:252 Resp: 89826
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 7.8 4.5 6.7





#92
 Benzo(g,h,i)perylene
 Concen: 7.525 ng m
 RT: 31.007 min Scan# 41
 Delta R.T. 0.014 min
 Lab File: BG057124.D
 Acq: 17 Apr 2023 23:57

Instrument :
 BNA_G
 ClientSampleId :
 HR-04-041423



Tgt Ion:	276	Resp:	4186
Ion Ratio	Lower	Upper	
276	100		
277	28.4	19.1	28.7
138	11.6	8.2	12.2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/18/2023
 Supervised By :Jagrut Upadhyay 04/18/2023

