

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
 Data File : BG060957.D
 Acq On : 19 Apr 2024 13:30
 Operator : MA/JU
 Sample : P2125-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-101-SB01

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

Quant Time: Apr 19 14:10:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	29485	20.000	ng	0.00
21) Naphthalene-d8	10.735	136	125109	20.000	ng	# 0.00
39) Acenaphthene-d10	14.565	164	96702	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	219000	20.000	ng	# 0.00
76) Chrysene-d12	21.581	240	229715	20.000	ng	0.00
86) Perylene-d12	24.695	264	268375	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	152244	89.688	ng	0.00
7) Phenol-d6	7.104	99	202102	82.647	ng	0.00
23) Nitrobenzene-d5	9.090	82	164152	59.565	ng	0.00
42) 2,4,6-Tribromophenol	16.058	330	162350	101.624	ng	0.00
45) 2-Fluorobiphenyl	13.191	172	436004	66.164	ng	0.00
79) Terphenyl-d14	19.942	244	795825	60.462	ng	0.00
Target Compounds						Qvalue
30) 1,2,4-Trichlorobenzene	10.600	180	113978	48.954	ng	99
31) Naphthalene	10.782	128	19435	2.872	ng	97
37) 2-Methylnaphthalene	12.392	142	21876	4.274	ng	94
38) 1-Methylnaphthalene	12.609	142	25756	5.330	ng	# 93
40) 1,2,4,5-Tetrachloroben...	12.756	216	8642	2.896	ng	96
71) Phenanthrene	17.356	178	76025	6.858	ng	99
75) Fluoranthene	19.372	202	113040	8.012	ng	95
78) Pyrene	19.730	202	103833	6.589	ng	99
81) Benzo(a)anthracene	21.563	228	73903	4.556	ng	# 89
83) Chrysene	21.628	228	127336	8.222	ng	# 89
87) Indeno(1,2,3-cd)pyrene	28.232	276	51903	2.797	ng	# 58
88) Benzo(b)fluoranthene	23.714	252	130539	8.597	ng	# 94
89) Benzo(k)fluoranthene	23.772	252	40239m	2.590	ng	
90) Benzo(a)pyrene	24.542	252	60235	4.024	ng	95
92) Benzo(g,h,i)perylene	29.336	276	43278	2.898	ng	# 93

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

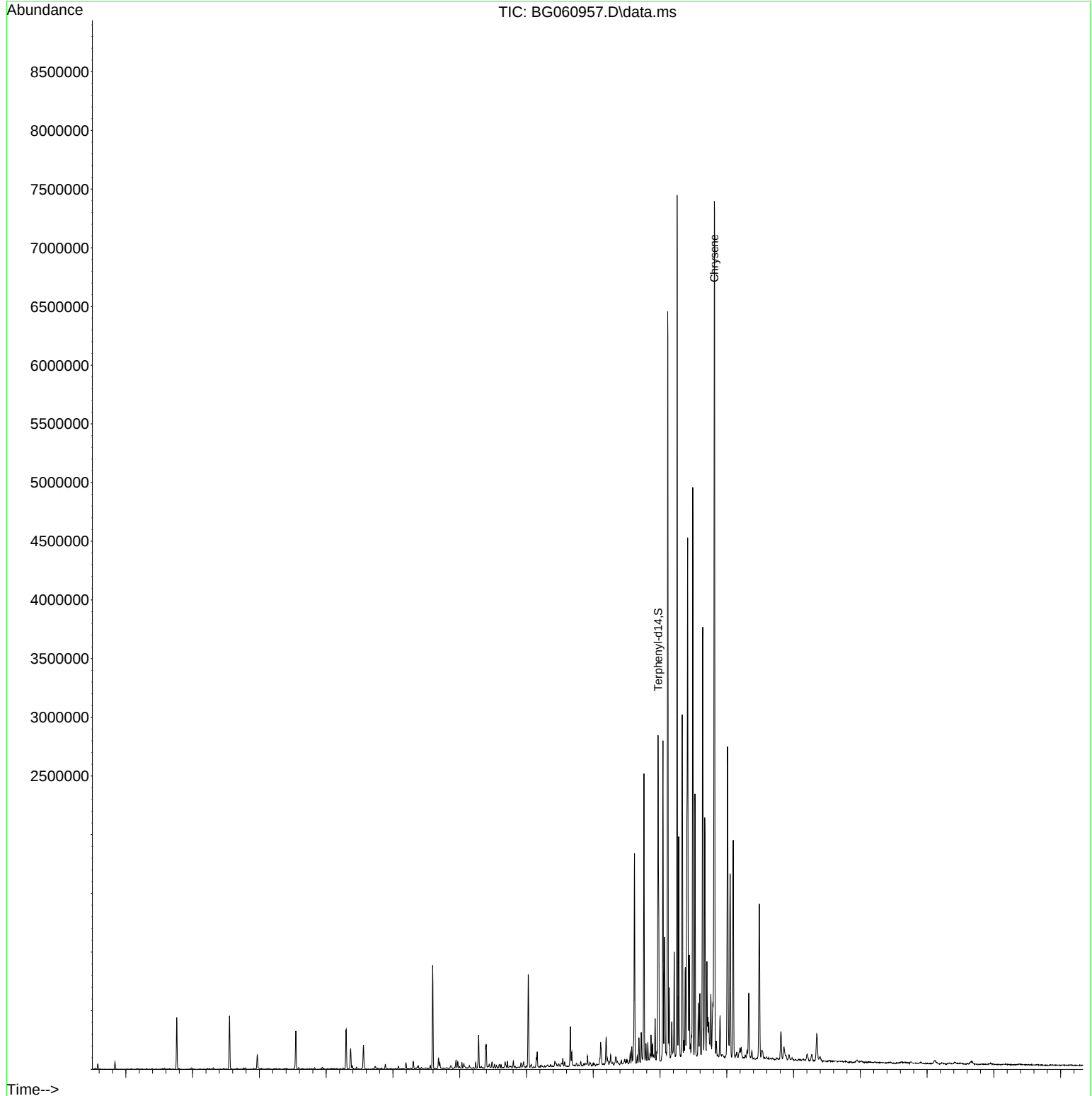
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
Data File : BG060957.D
Acq On : 19 Apr 2024 13:30
Operator : MA/JU
Sample : P2125-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

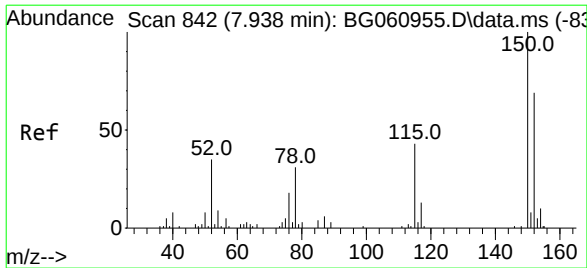
Instrument :
BNA_G
ClientSampleId :
B-101-SB01

Quant Time: Apr 19 14:10:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
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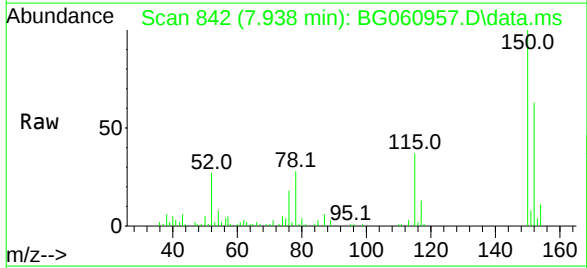
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.938 min Scan# 842
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

Instrument :

BNA_G

ClientSampleId :

B-101-SB01

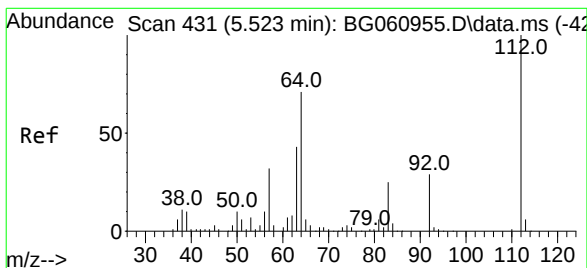
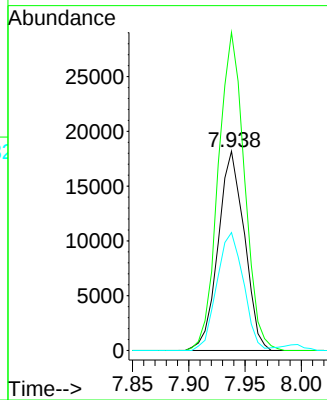
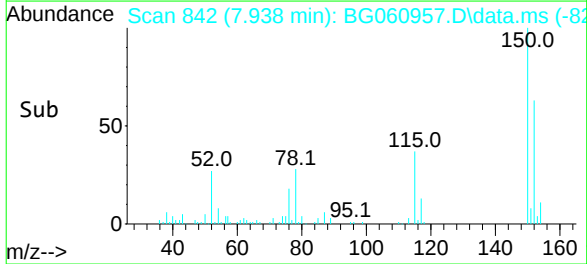


Tgt Ion:152 Resp: 29485
Ion Ratio Lower Upper
152 100
150 159.7 125.6 188.4
115 59.2 47.1 70.7

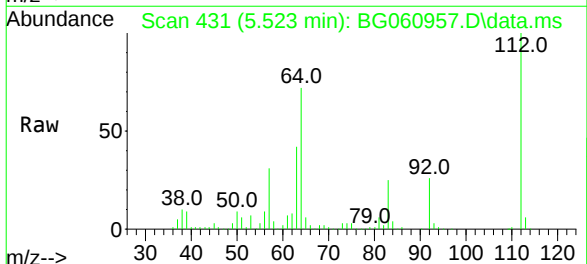
Manual Integrations

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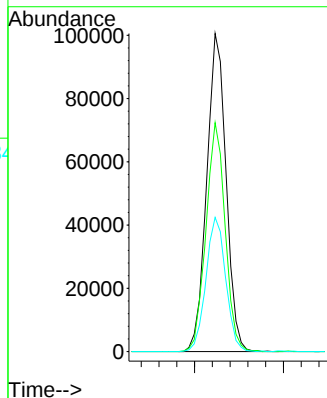
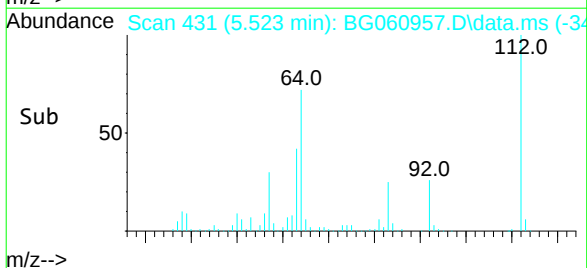
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

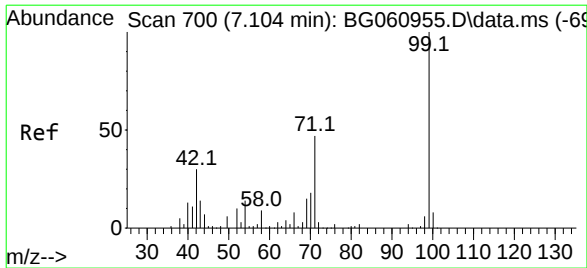


#5
2-Fluorophenol
Concen: 89.688 ng
RT: 5.523 min Scan# 431
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30



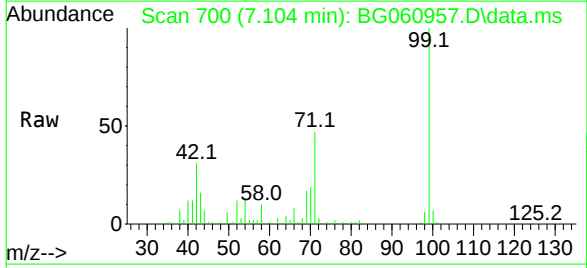
Tgt Ion:112 Resp: 152244
Ion Ratio Lower Upper
112 100
64 72.0 58.9 88.3
63 42.2 32.1 48.1





#7
Phenol-d6
Concen: 82.647 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

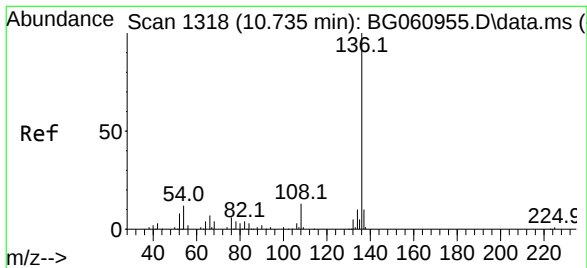
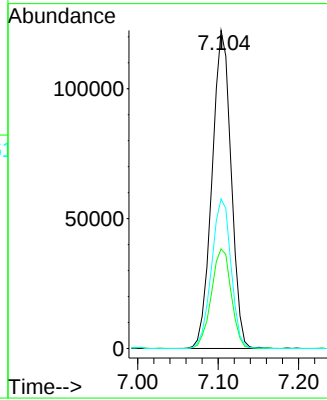
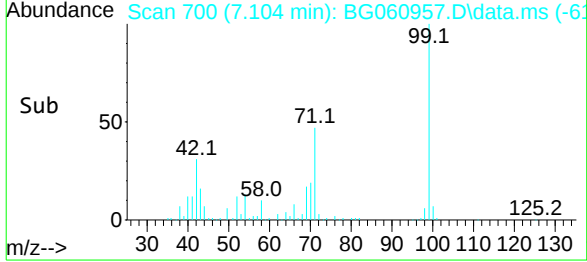
Instrument :
BNA_G
ClientSampleId :
B-101-SB01



Tgt Ion: 99 Resp: 202102
Ion Ratio Lower Upper
99 100
42 31.3 22.2 33.2
71 47.0 30.5 45.7#

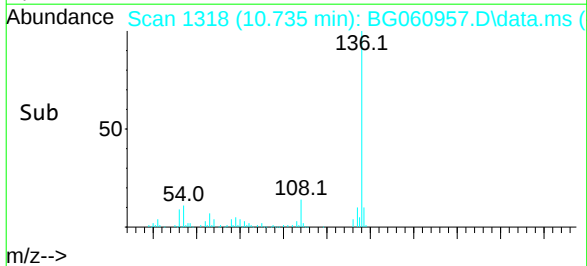
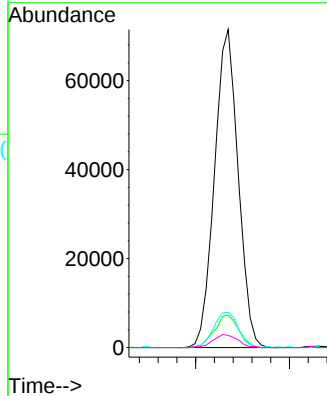
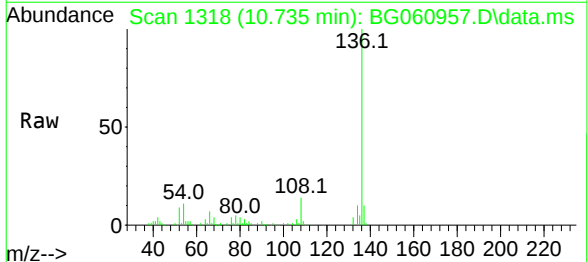
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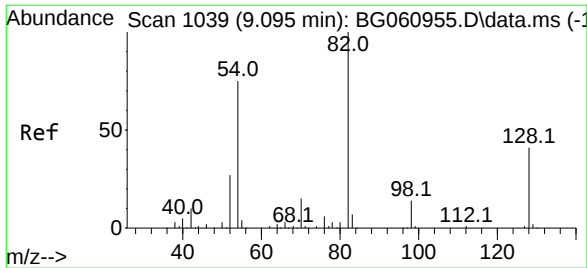
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.735 min Scan# 1318
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

Tgt Ion:136 Resp: 125109
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 11.1 9.8 14.8
68 3.8 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 59.565 ng

RT: 9.090 min Scan# 1039

Delta R.T. -0.010 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

Instrument :

BNA_G

ClientSampleId :

B-101-SB01

Tgt Ion: 82 Resp: 164152

Ion Ratio Lower Upper

82 100

128 39.7 31.4 47.0

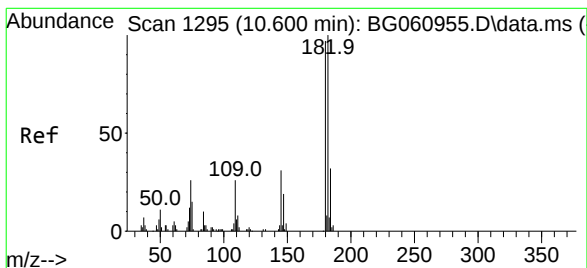
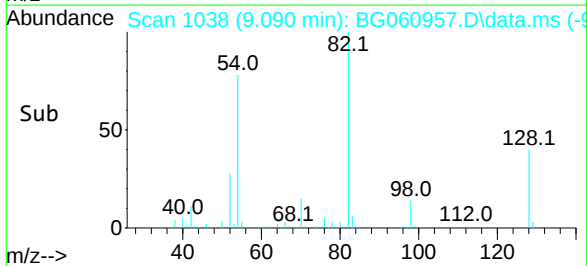
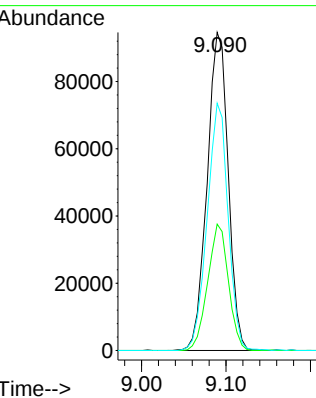
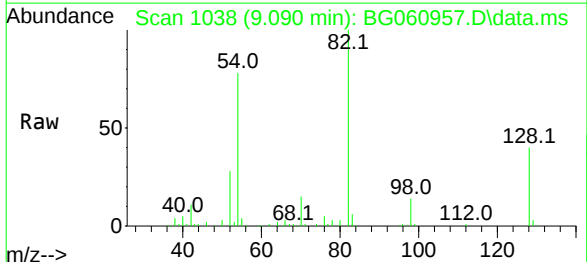
54 77.7 54.2 81.4

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Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#30

1,2,4-Trichlorobenzene

Concen: 48.954 ng

RT: 10.600 min Scan# 1295

Delta R.T. -0.004 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

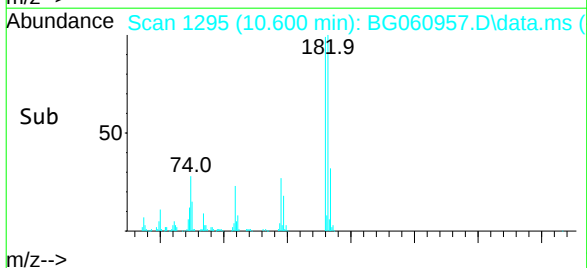
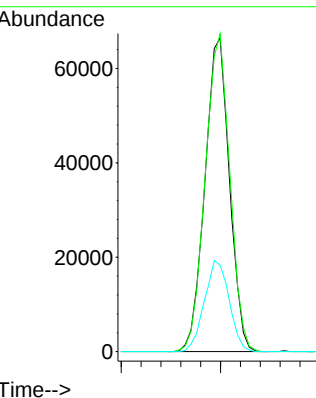
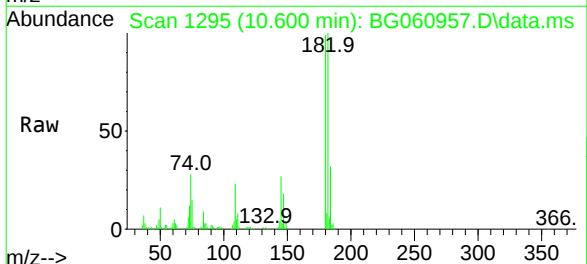
Tgt Ion:180 Resp: 113978

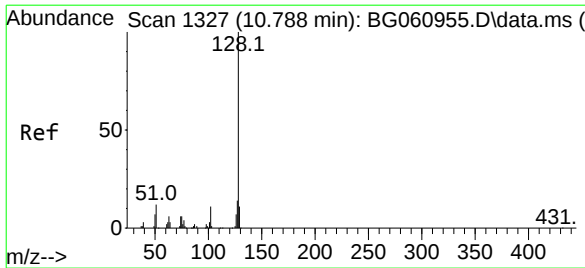
Ion Ratio Lower Upper

180 100

182 101.4 81.0 121.4

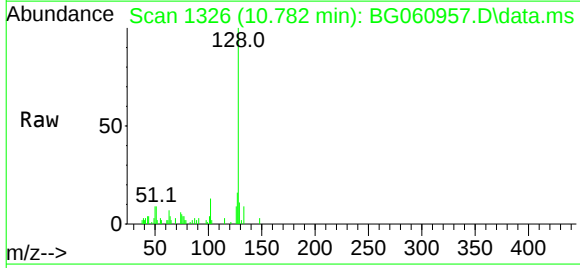
145 27.6 24.1 36.1





#31
Naphthalene
Concen: 2.872 ng
RT: 10.782 min Scan# 1327
Delta R.T. -0.009 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

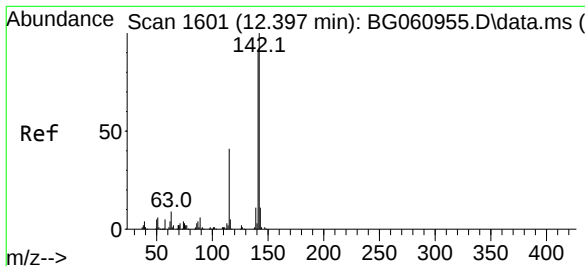
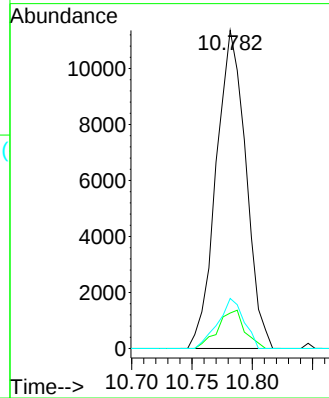
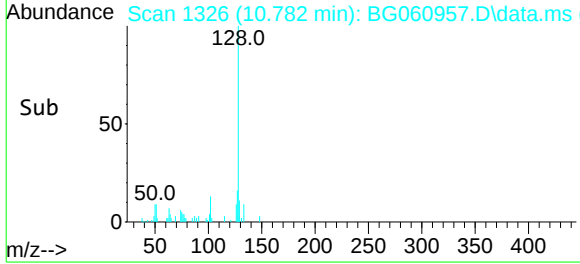
Instrument :
BNA_G
ClientSampleId :
B-101-SB01



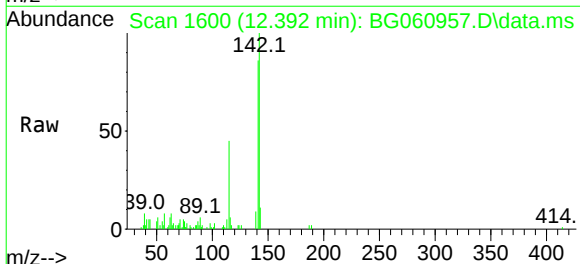
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	15.7	11.3	16.9

Manual Integrations
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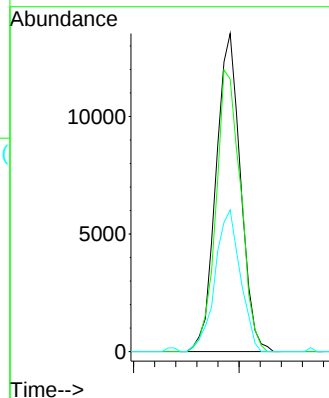
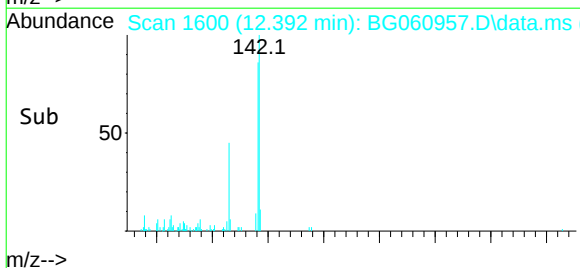
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

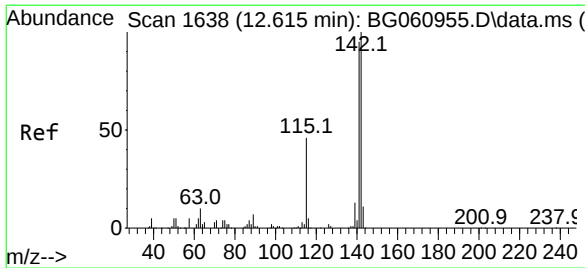


#37
2-Methylnaphthalene
Concen: 4.274 ng
RT: 12.392 min Scan# 1600
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30



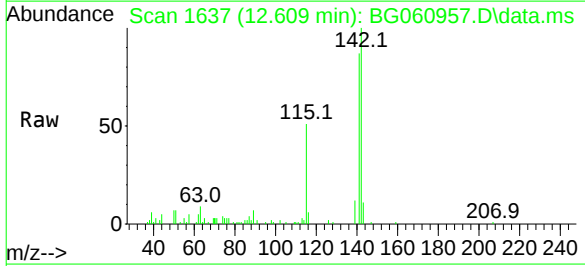
Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	71.7	107.5
115	44.5	30.6	45.8





#38
1-Methylnaphthalene
Concen: 5.330 ng
RT: 12.609 min Scan# 1638
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

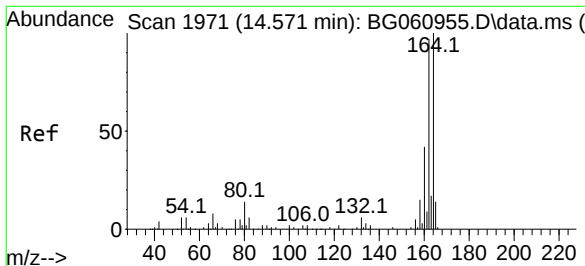
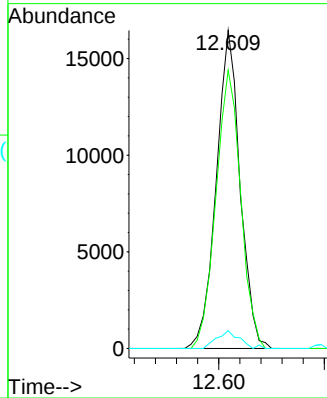
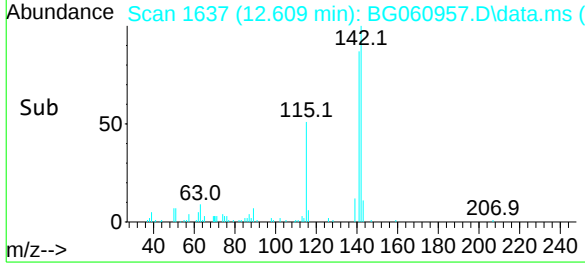
Instrument :
BNA_G
ClientSampleId :
B-101-SB01



Tgt Ion:142 Resp: 25756
Ion Ratio Lower Upper
142 100
141 87.5 75.1 112.7
116 5.6 3.3 4.9#

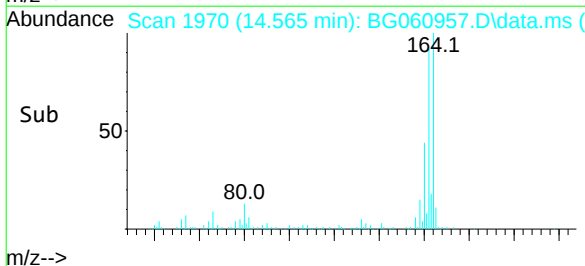
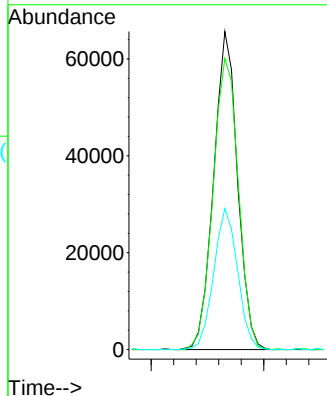
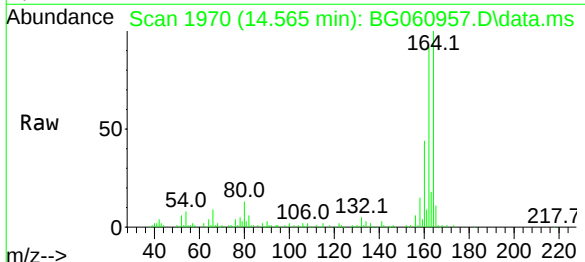
Manual Integrations
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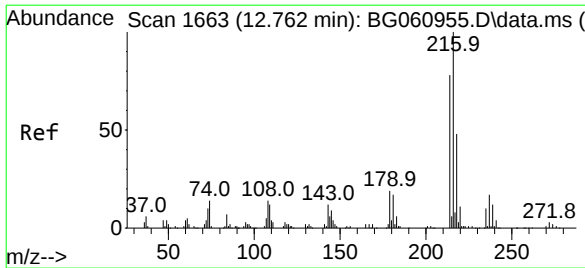
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.565 min Scan# 1970
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

Tgt Ion:164 Resp: 96702
Ion Ratio Lower Upper
164 100
162 91.5 84.1 126.1
160 44.3 35.9 53.9





#40

1,2,4,5-Tetrachlorobenzene

Concen: 2.896 ng

RT: 12.756 min Scan# 16

Delta R.T. -0.010 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

Instrument :

BNA_G

ClientSampleId :

B-101-SB01

Tgt Ion:216 Resp: 8642

Ion Ratio Lower Upper

216 100

214 81.9 62.8 94.2

179 20.3 15.2 22.8

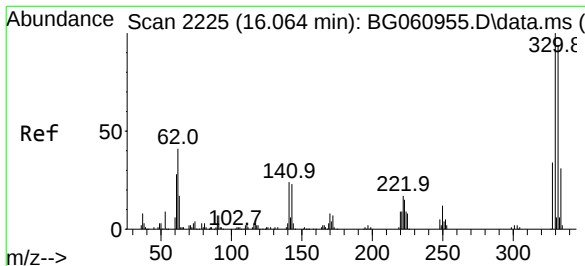
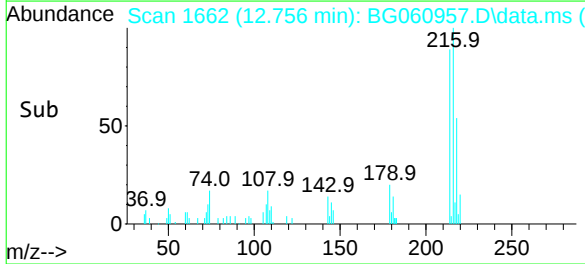
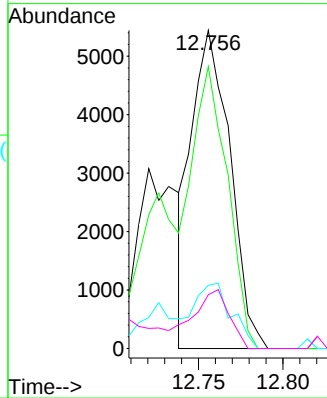
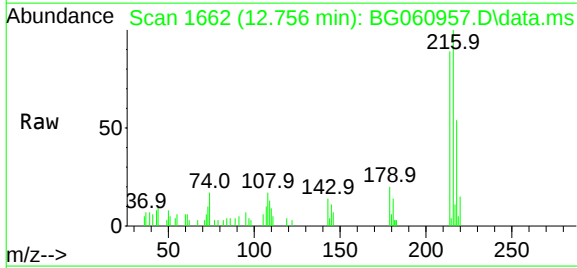
108 17.7 12.1 18.1

Manual Integrations

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Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#42

2,4,6-Tribromophenol

Concen: 101.624 ng

RT: 16.058 min Scan# 2224

Delta R.T. -0.004 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

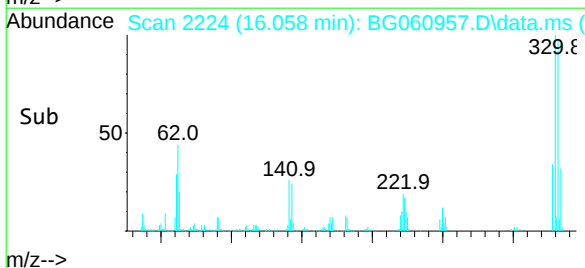
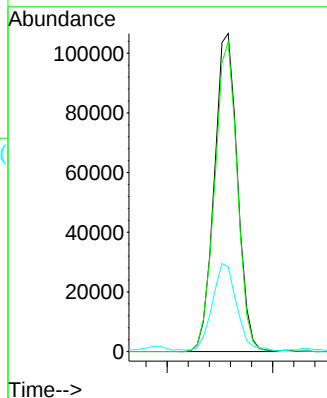
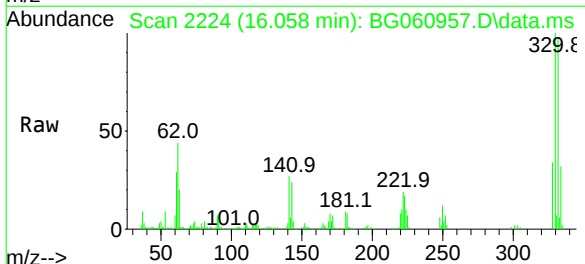
Tgt Ion:330 Resp: 162350

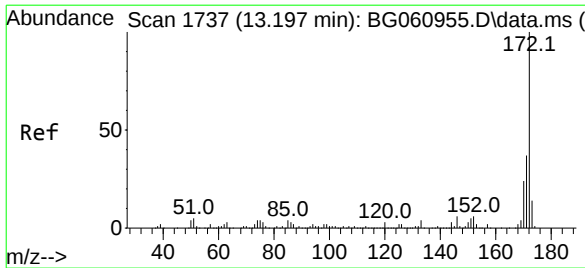
Ion Ratio Lower Upper

330 100

332 95.7 76.9 115.3

141 29.0 23.7 35.5





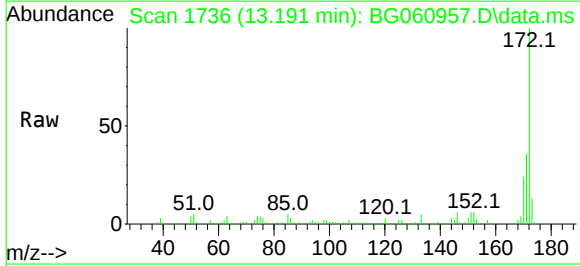
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2-Fluorobiphenyl
Concen: 66.164 ng
RT: 13.191 min Scan# 1736
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

Instrument :

BNA_G

ClientSampleId :

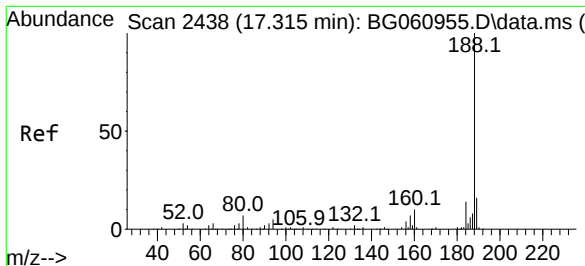
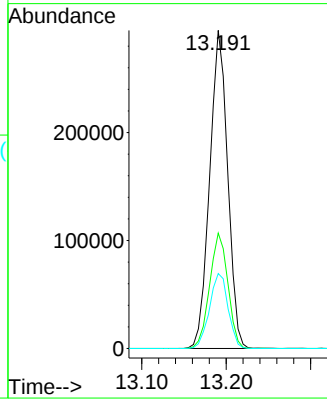
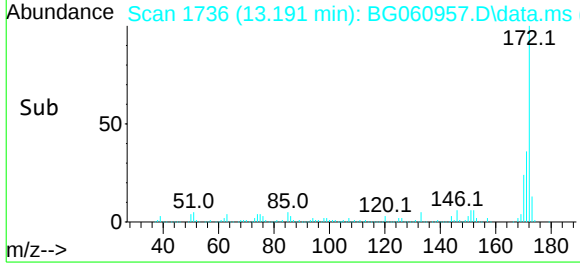
B-101-SB01



Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.3	43.9
170	23.6	19.5	29.3

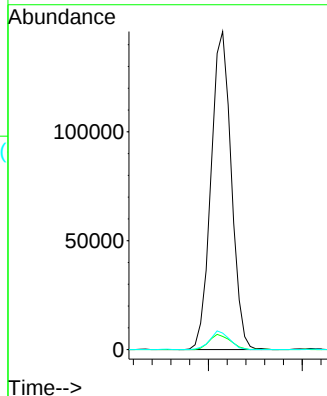
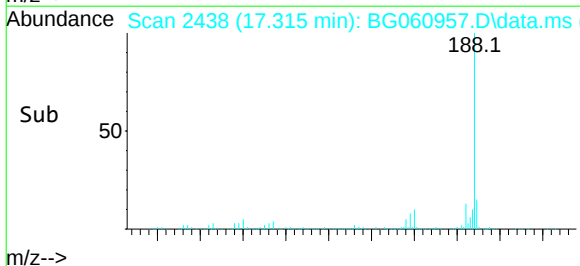
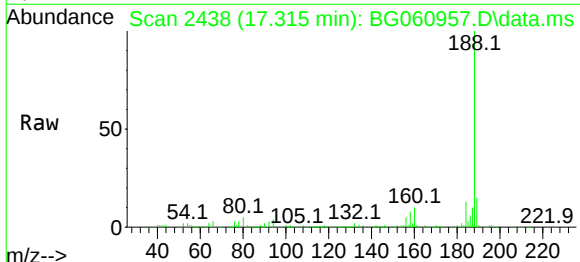
Manual Integrations
APPROVED

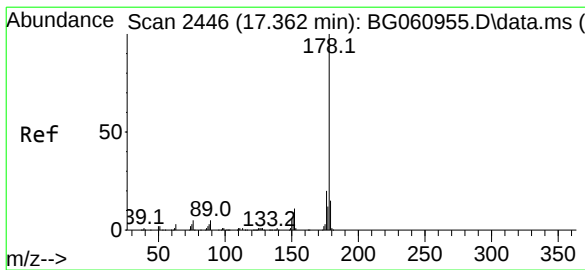
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2438
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

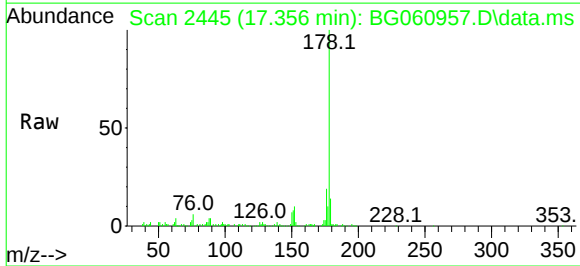
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.1	5.7	8.5#
80	5.2	6.6	9.8#





#71
Phenanthrene
Concen: 6.858 ng
RT: 17.356 min Scan# 2446
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

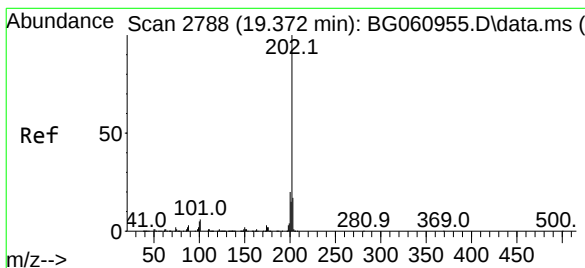
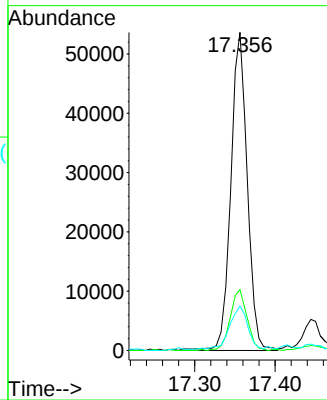
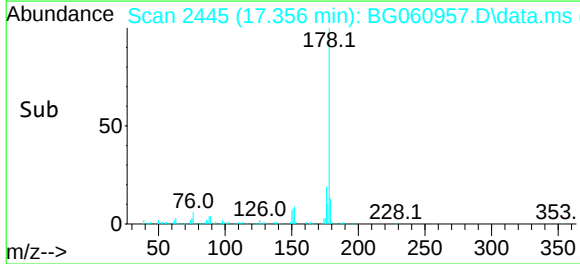
Instrument :
BNA_G
ClientSampleId :
B-101-SB01



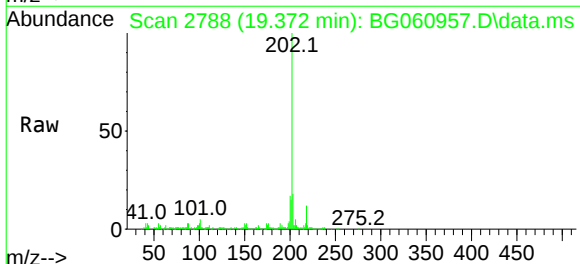
Tgt Ion:178 Resp: 76025
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 13.9 12.0 18.0

Manual Integrations
APPROVED

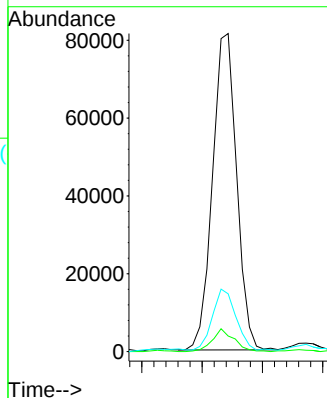
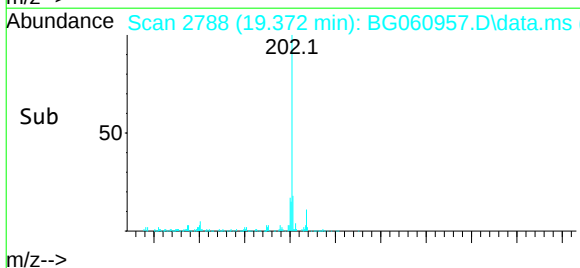
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

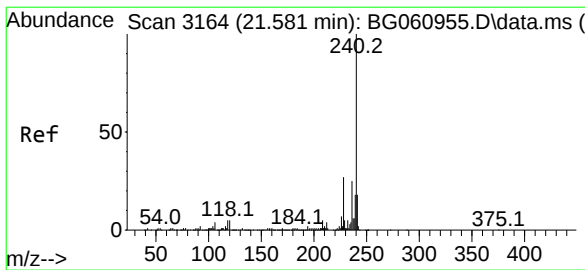


#75
Fluoranthene
Concen: 8.012 ng
RT: 19.372 min Scan# 2788
Delta R.T. 0.002 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30



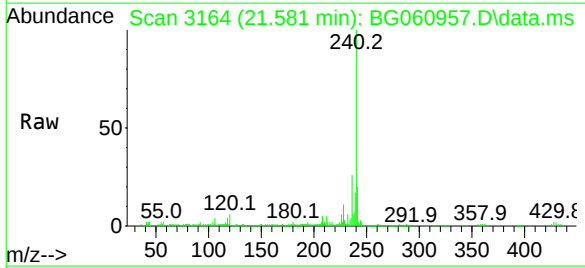
Tgt Ion:202 Resp: 113040
Ion Ratio Lower Upper
202 100
101 4.9 0.0 28.6
203 18.2 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.581 min Scan# 3164
Delta R.T. 0.002 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30

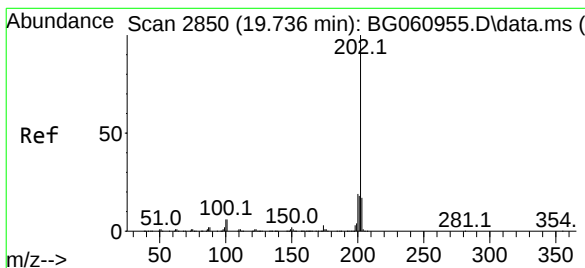
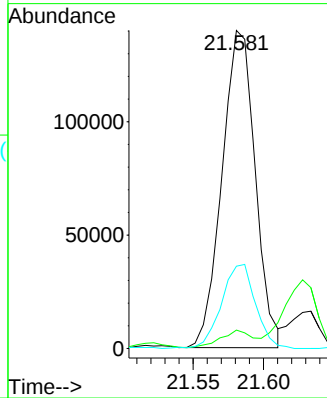
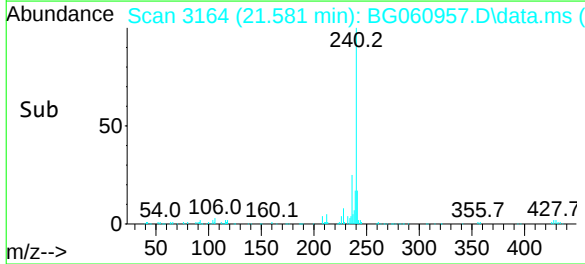
Instrument :
BNA_G
ClientSampleId :
B-101-SB01



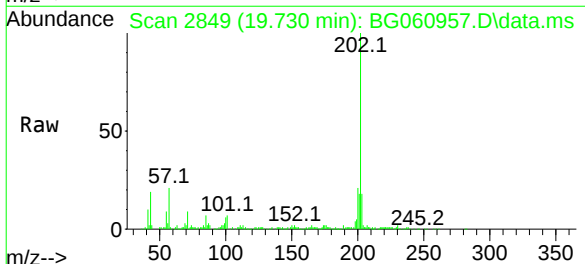
Tgt Ion:240 Resp: 229715
Ion Ratio Lower Upper
240 100
120 5.8 5.7 8.5
236 25.9 21.1 31.7

Manual Integrations
APPROVED

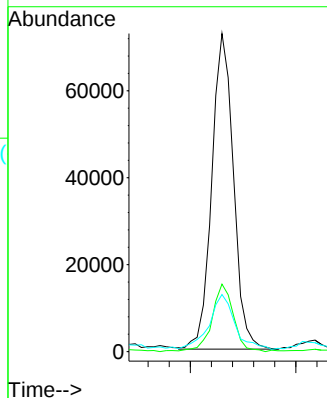
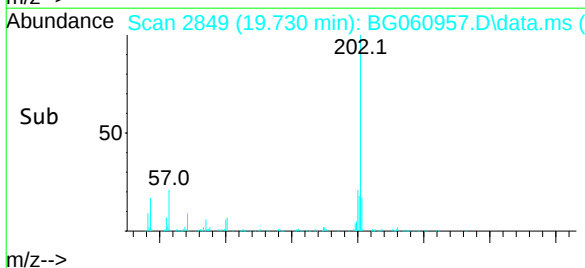
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

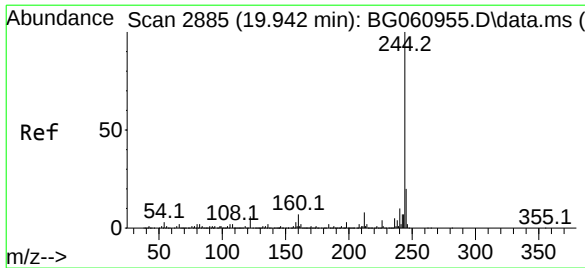


#78
Pyrene
Concen: 6.589 ng
RT: 19.730 min Scan# 2849
Delta R.T. -0.004 min
Lab File: BG060957.D
Acq: 19 Apr 2024 13:30



Tgt Ion:202 Resp: 103833
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 18.0 13.8 20.8





#79

Terphenyl-d14

Concen: 60.462 ng

RT: 19.942 min Scan# 2885

Delta R.T. 0.002 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

Instrument :

BNA_G

ClientSampleId :

B-101-SB01

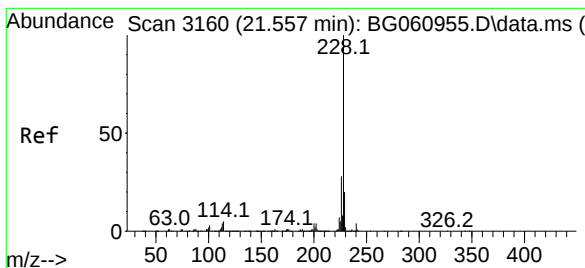
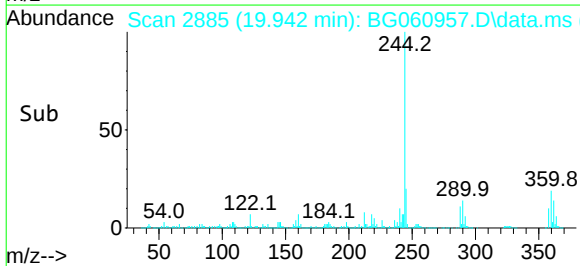
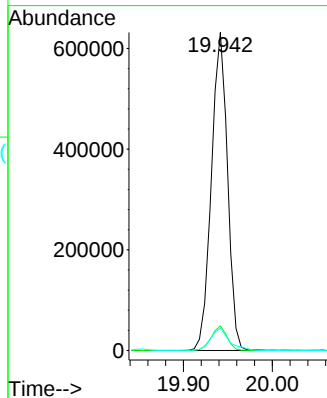
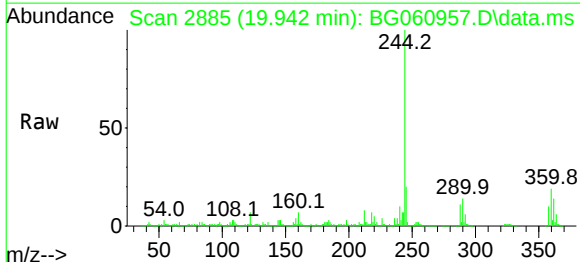
Tgt	Ion:244	Resp:	795825
Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.4
122	7.1	6.6	9.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#81

Benzo(a)anthracene

Concen: 4.556 ng

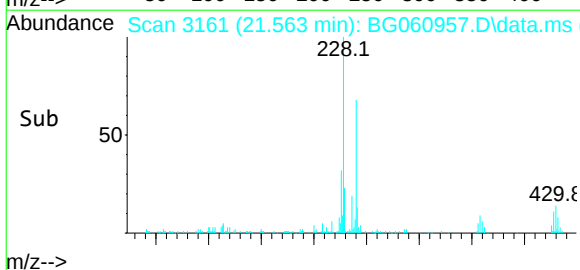
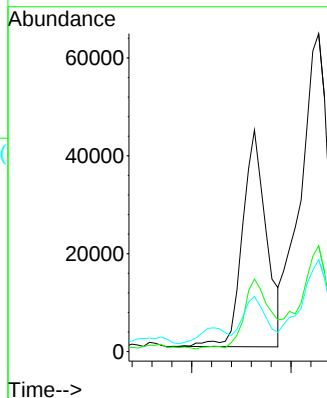
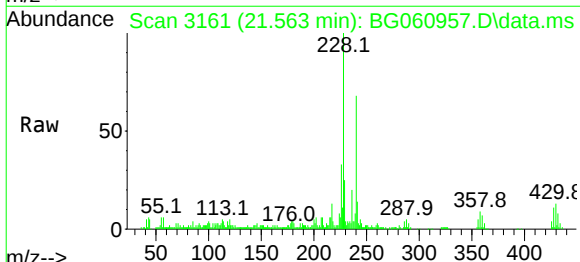
RT: 21.563 min Scan# 3161

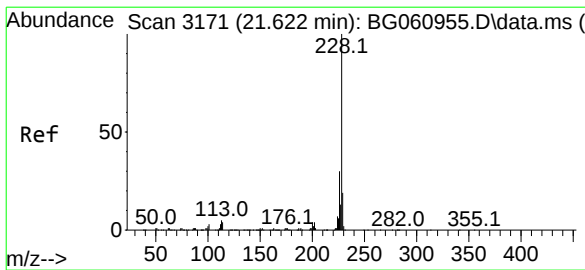
Delta R.T. 0.002 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

Tgt	Ion:228	Resp:	73903
Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.0	33.0
229	24.9	15.6	23.4





#83

Chrysene

Concen: 8.222 ng

RT: 21.628 min Scan# 3171

Delta R.T. 0.002 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

Instrument :

BNA_G

ClientSampleId :

B-101-SB01

Tgt Ion:228 Resp: 127336

Ion Ratio Lower Upper

228 100

226 33.3 24.4 36.6

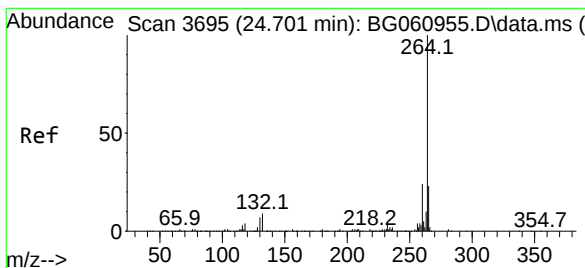
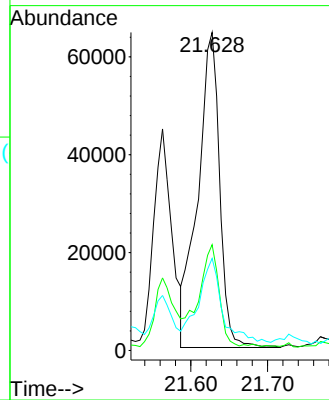
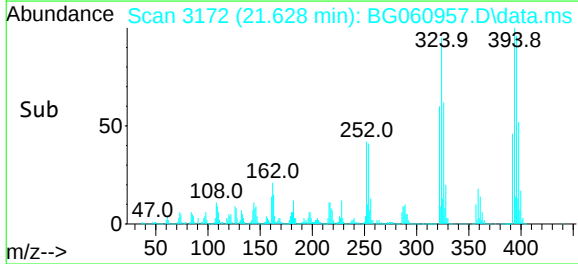
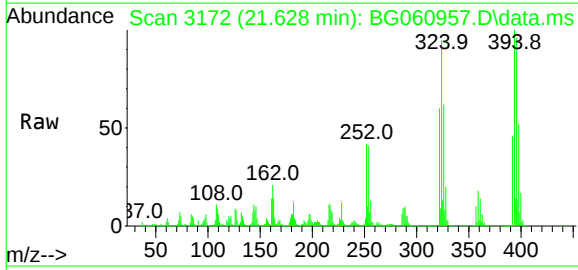
229 29.0 15.6 23.4#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.695 min Scan# 3694

Delta R.T. -0.004 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

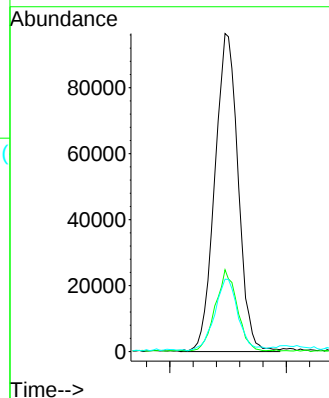
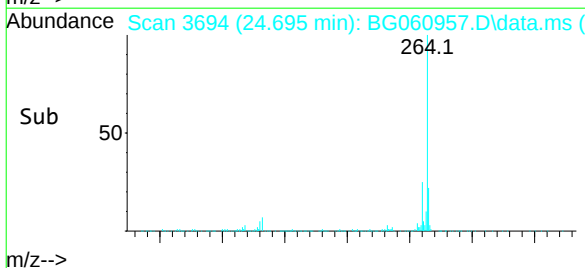
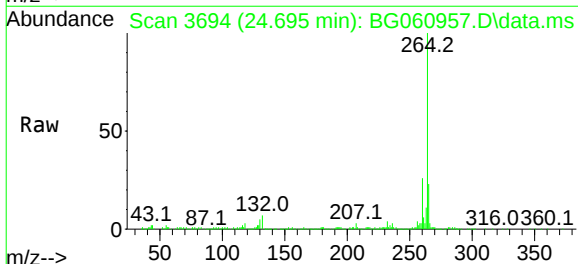
Tgt Ion:264 Resp: 268375

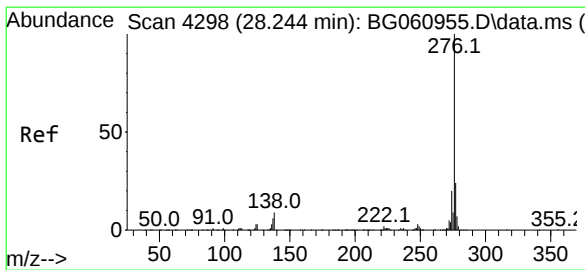
Ion Ratio Lower Upper

264 100

260 25.7 19.6 29.4

265 22.8 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.797 ng

RT: 28.232 min Scan# 4298

Delta R.T. -0.015 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

Instrument :

BNA_G

ClientSampleId :

B-101-SB01

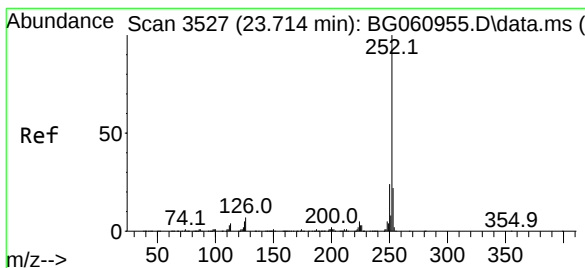
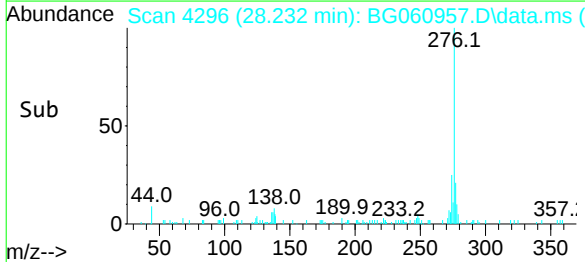
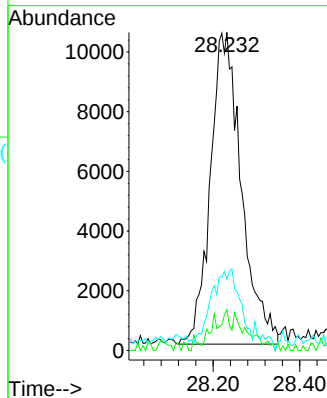
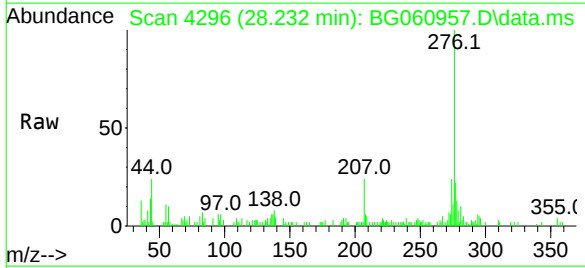
Tgt	Ion:276	Resp:	51903
Ion	Ratio	Lower	Upper
276	100		
138	3.3	10.8	16.2#
277	0.0	20.3	30.5#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#88

Benzo(b)fluoranthene

Concen: 8.597 ng

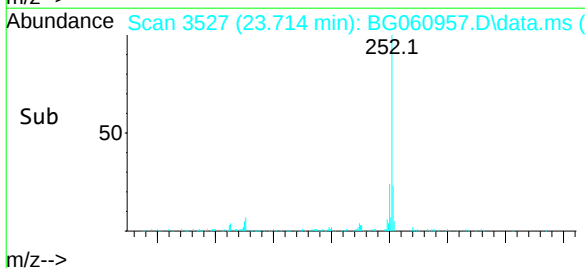
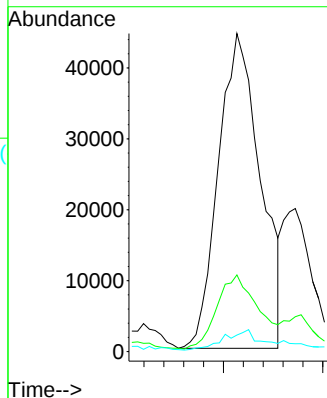
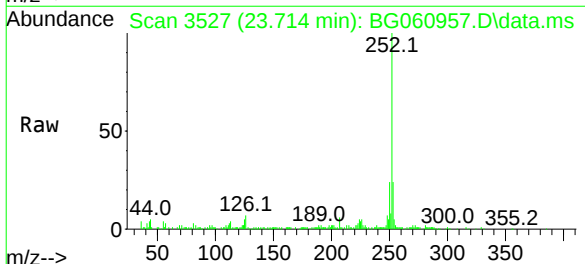
RT: 23.714 min Scan# 3527

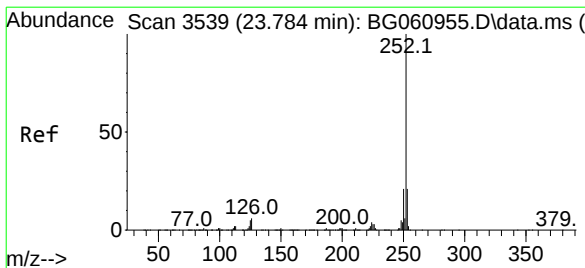
Delta R.T. -0.004 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

Tgt	Ion:252	Resp:	130539
Ion	Ratio	Lower	Upper
252	100		
253	24.1	16.8	25.2
125	5.2	5.6	8.4#





#89

Benzo(k)fluoranthene

Concen: 2.590 ng m

RT: 23.772 min Scan# 3539

Delta R.T. -0.010 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

Instrument :

BNA_G

ClientSampleId :

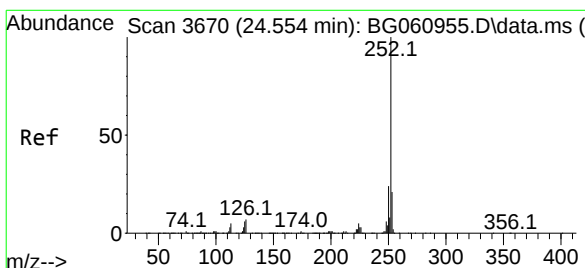
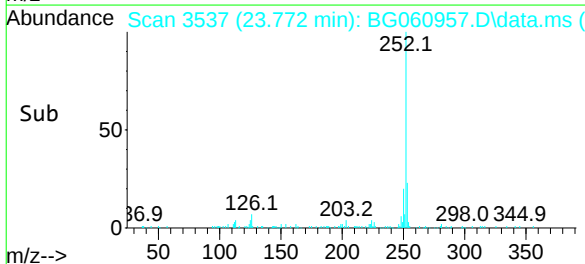
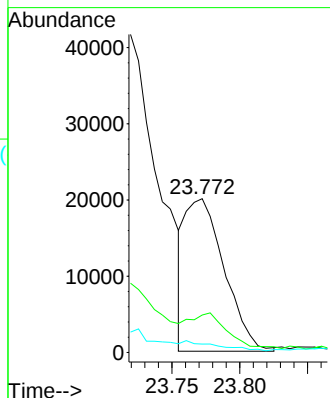
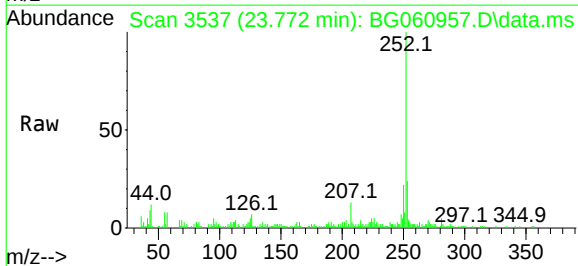
B-101-SB01

Tgt	Ion:252	Resp:	40239
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	5.5	5.8	8.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#90

Benzo(a)pyrene

Concen: 4.024 ng

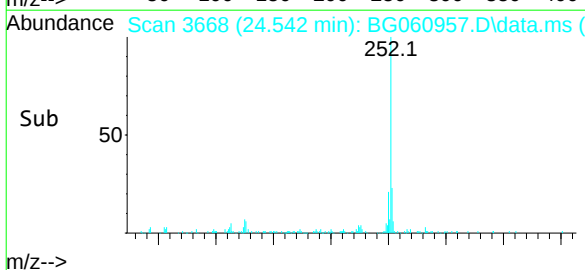
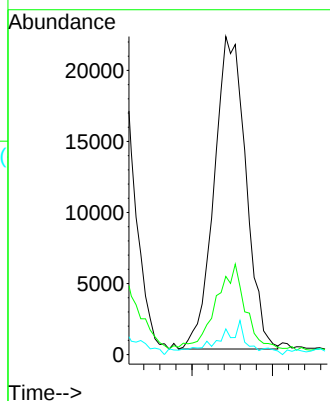
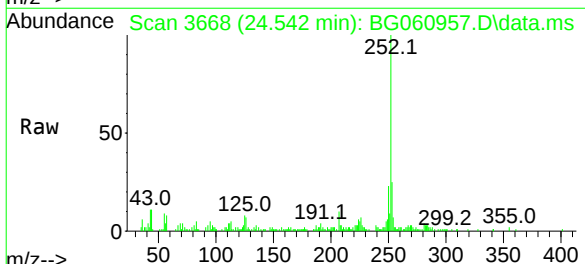
RT: 24.542 min Scan# 3668

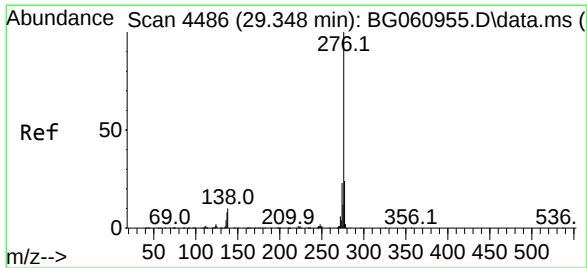
Delta R.T. -0.009 min

Lab File: BG060957.D

Acq: 19 Apr 2024 13:30

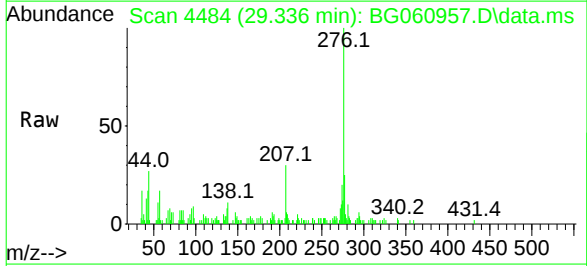
Tgt	Ion:252	Resp:	60235
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	8.1	6.1	9.1





#92
 Benzo(g,h,i)perylene
 Concen: 2.898 ng
 RT: 29.336 min Scan# 44
 Delta R.T. -0.015 min
 Lab File: BG060957.D
 Acq: 19 Apr 2024 13:30

Instrument :
 BNA_G
 ClientSampleId :
 B-101-SB01



Tgt Ion:	276	Resp:	43278
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.3	27.5
138	11.2	12.2	18.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

