

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
 Data File : BG057935.D
 Acq On : 1 Jul 2023 2:08
 Operator : CG/JU
 Sample : 03358-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-4-(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :Sohil Jodhani 07/05/2023

Quant Time: Jul 01 02:56:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	57047	20.000	ng	-0.01
21) Naphthalene-d8	10.716	136	249000	20.000	ng	-0.01
39) Acenaphthene-d10	14.547	164	163118	20.000	ng	-0.01
64) Phenanthrene-d10	17.291	188	342803	20.000	ng	-0.01
76) Chrysene-d12	21.545	240	281750	20.000	ng	-0.01
86) Perylene-d12	24.688	264	353572	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	191811	51.444	ng	0.00
7) Phenol-d6	7.073	99	276848	49.654	ng	-0.01
23) Nitrobenzene-d5	9.071	82	161373	31.761	ng	-0.02
42) 2,4,6-Tribromophenol	16.034	330	105382	38.464	ng	-0.01
45) 2-Fluorobiphenyl	13.172	172	362110	33.877	ng	-0.01
79) Terphenyl-d14	19.905	244	494772	32.015	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.332	178	62384	3.791	ng	99
75) Fluoranthene	19.347	202	238770	11.518	ng	99
78) Pyrene	19.706	202	217048	10.789	ng	99
81) Benzo(a)anthracene	21.527	228	139814	7.171	ng	97
83) Chrysene	21.586	228	147217	7.977	ng	98
87) Indeno(1,2,3-cd)pyrene	28.260	276	148083	6.322	ng	94
88) Benzo(b)fluoranthene	23.689	252	262613	13.618	ng	99
89) Benzo(k)fluoranthene	23.754	252	81667m	4.190	ng	
90) Benzo(a)pyrene	24.535	252	176021	9.214	ng	95
92) Benzo(g,h,i)perylene	29.388	276	153236	7.936	ng	98

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

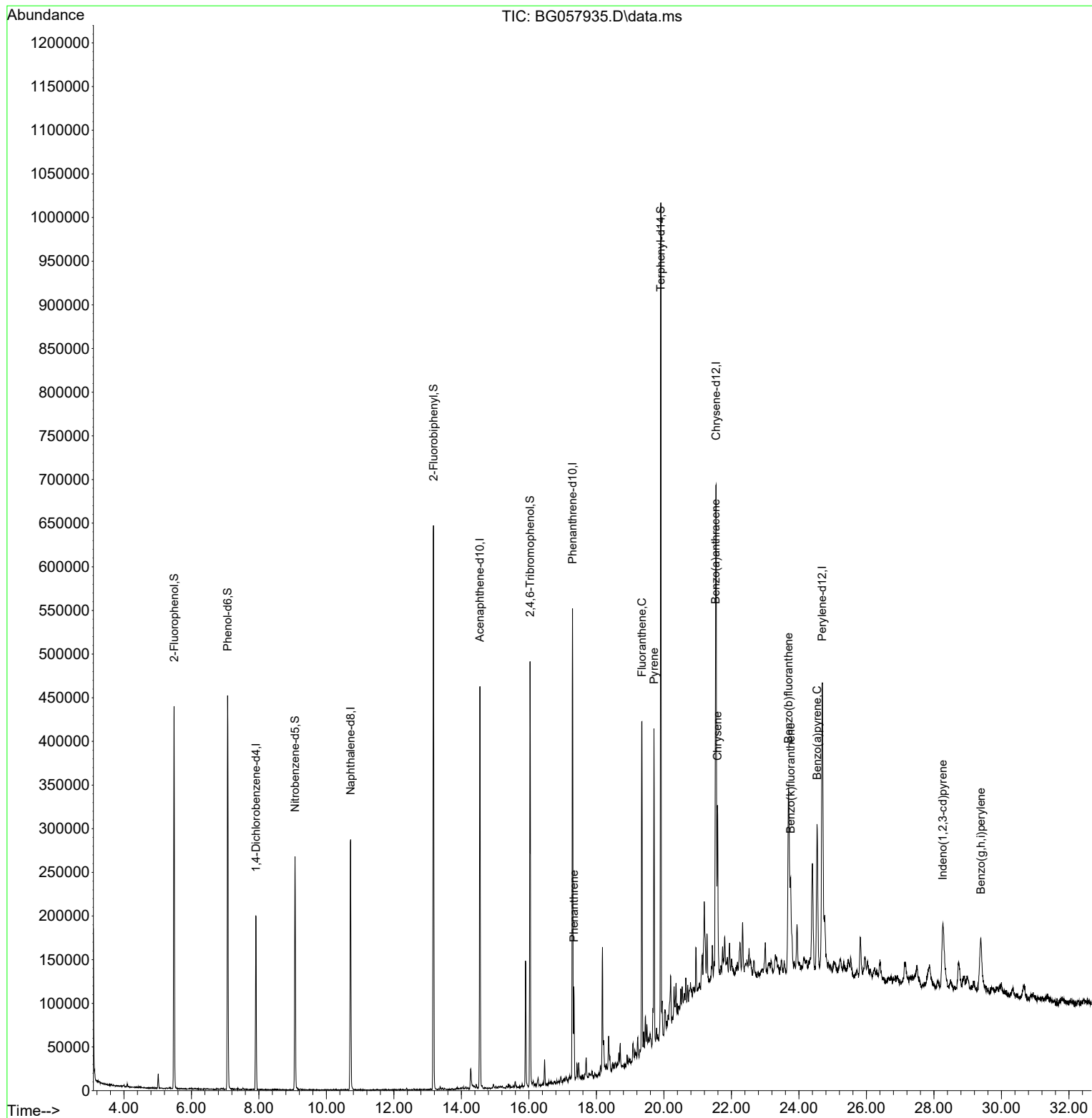
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
Data File : BG057935.D
Acq On : 1 Jul 2023 2:08
Operator : CG/JU
Sample : 03358-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

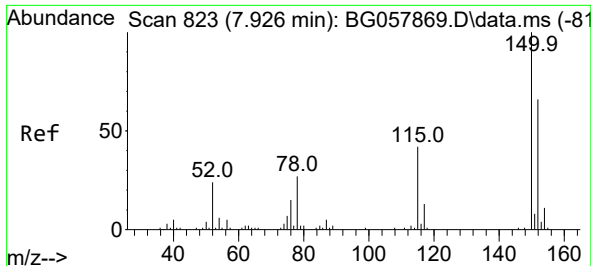
Instrument :
BNA_G
ClientSampleId :
SB-4-(0-2)

Quant Time: Jul 01 02:56:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 01:12:33 2023
Response via : Initial Calibration

Manual Integrations
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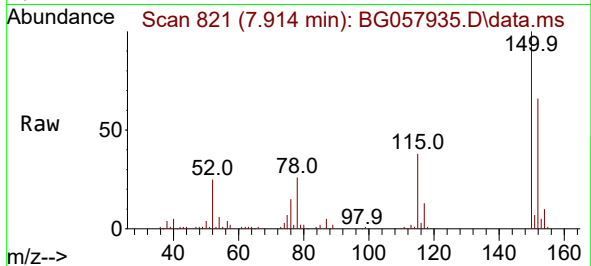
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.914 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

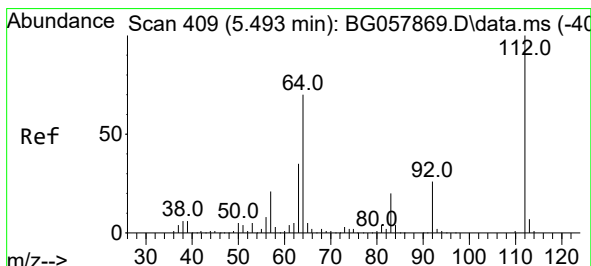
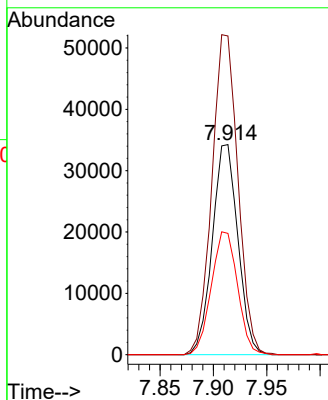
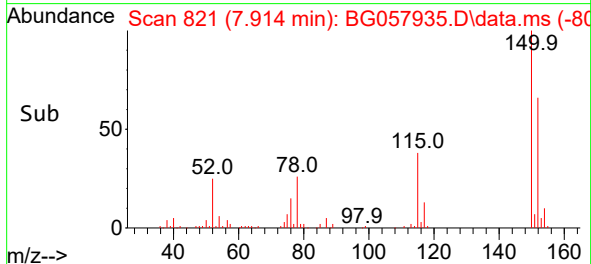
Instrument :
BNA_G
ClientSampleId :
SB-4-(0-2)



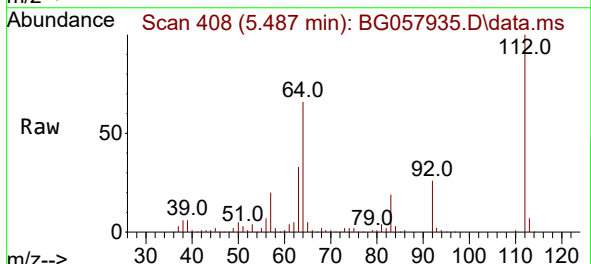
Tgt Ion:152 Resp: 5704
Ion Ratio Lower Upper
152 100
150 151.8 122.0 183.0
115 57.7 50.7 76.1

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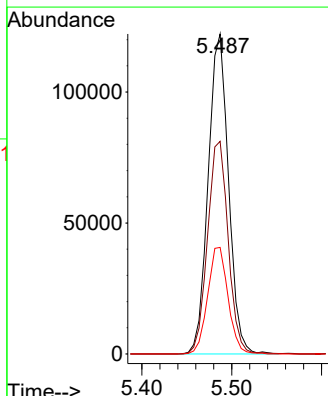
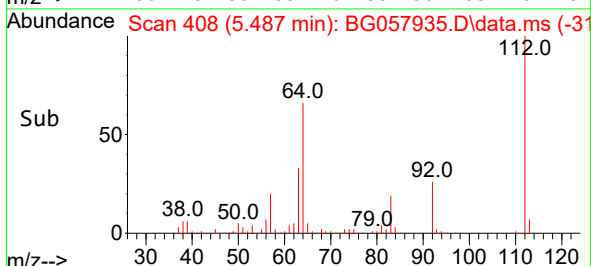
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

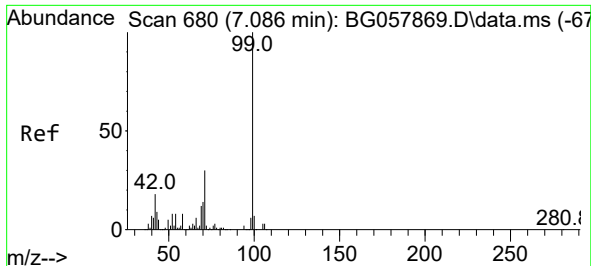


#5
2-Fluorophenol
Concen: 51.444 ng
RT: 5.487 min Scan# 408
Delta R.T. -0.006 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08



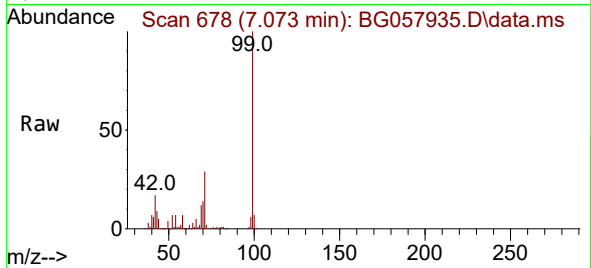
Tgt Ion:112 Resp: 191811
Ion Ratio Lower Upper
112 100
64 66.4 55.8 83.6
63 33.3 27.9 41.9





#7
Phenol-d6
Concen: 49.654 ng
RT: 7.073 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

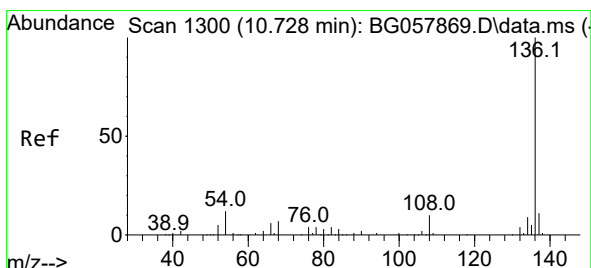
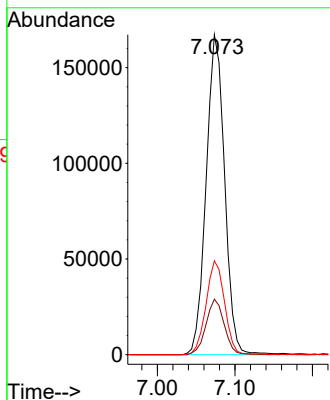
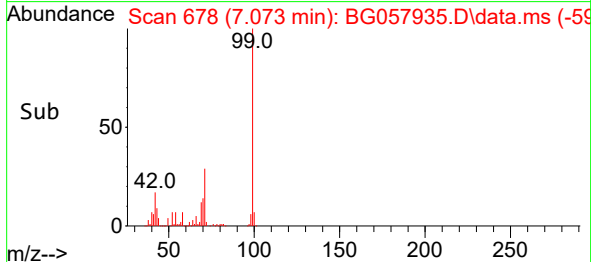
Instrument :
BNA_G
ClientSampleId :
SB-4-(0-2)



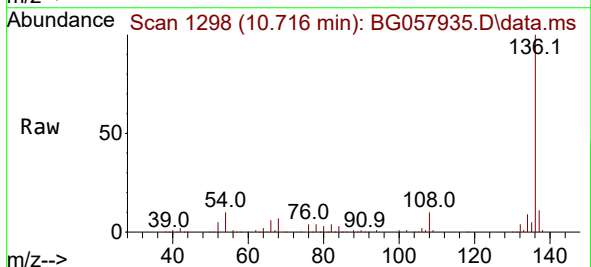
Tgt Ion: 99 Resp: 27684
Ion Ratio Lower Upper
99 100
42 17.4 14.2 21.4
71 29.3 23.9 35.9

Manual Integrations
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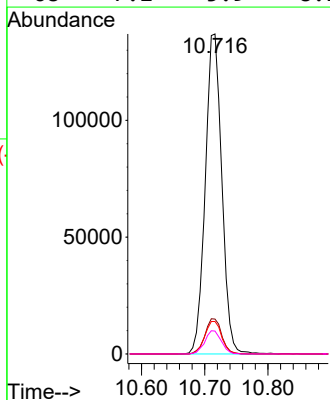
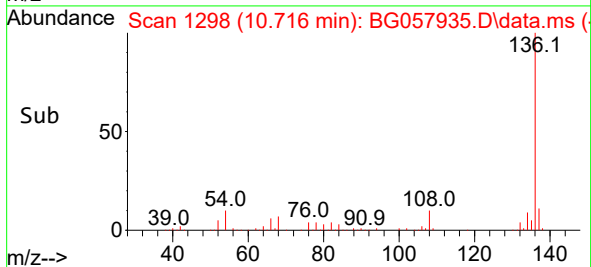
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

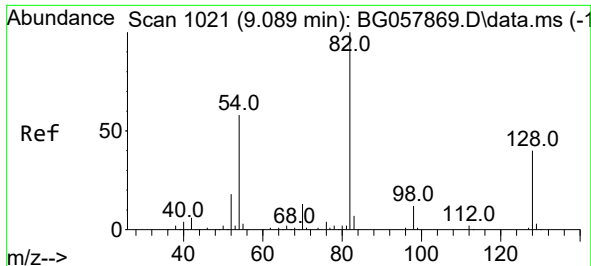


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1298
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08



Tgt Ion:136 Resp: 249000
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.1 9.3 13.9
68 7.2 5.9 8.9





#23
Nitrobenzene-d5
Concen: 31.761 ng
RT: 9.071 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

Instrument :

BNA_G

ClientSampleId :

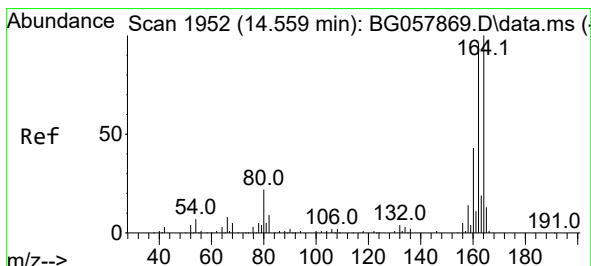
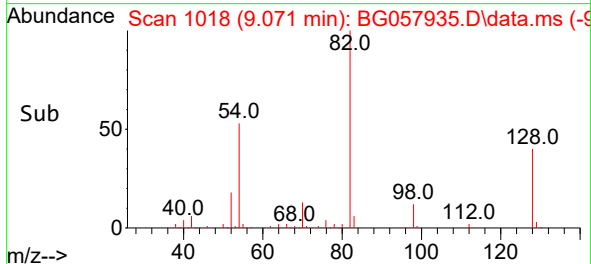
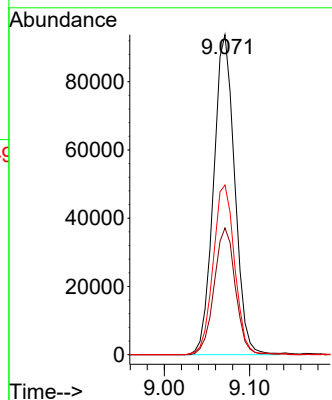
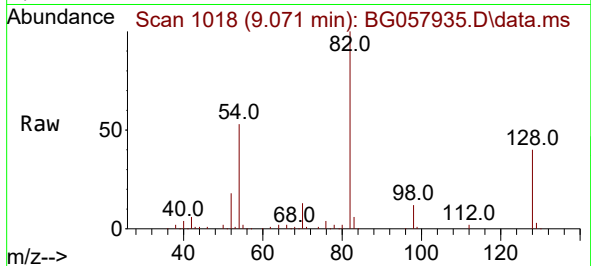
SB-4-(0-2)

Tgt Ion: 82 Resp: 16137
Ion Ratio Lower Upper
82 100
128 39.6 32.2 48.4
54 53.1 46.1 69.1

Manual Integrations

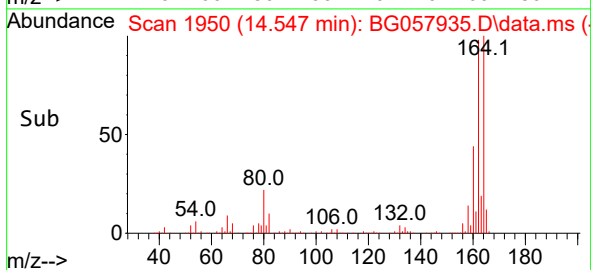
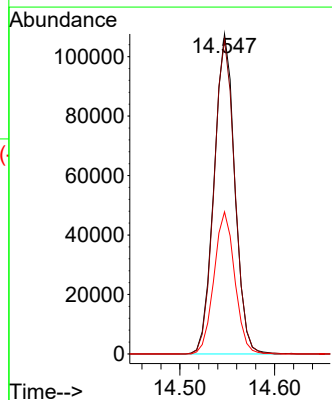
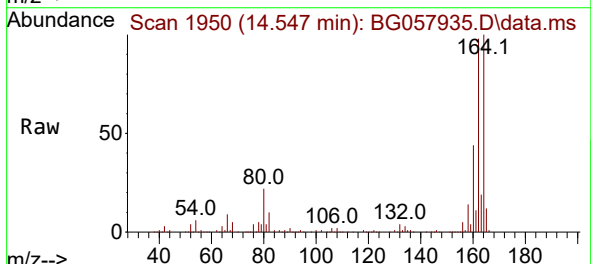
APPROVED

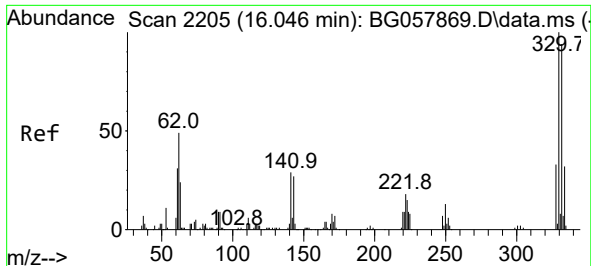
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.547 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

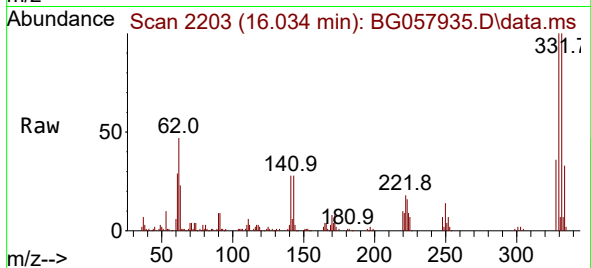
Tgt Ion:164 Resp: 163118
Ion Ratio Lower Upper
164 100
162 98.2 76.4 114.6
160 44.4 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 38.464 ng
RT: 16.034 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

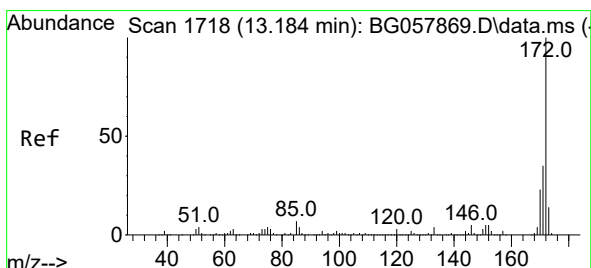
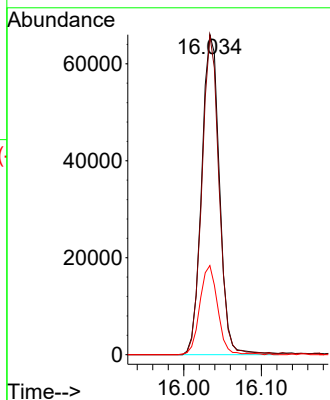
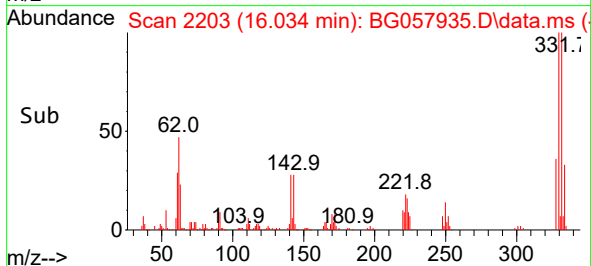
Instrument :
BNA_G
ClientSampleId :
SB-4-(0-2)



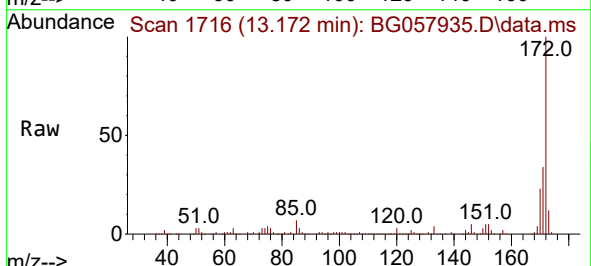
Tgt Ion:330 Resp: 10538
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 27.9 22.2 33.4

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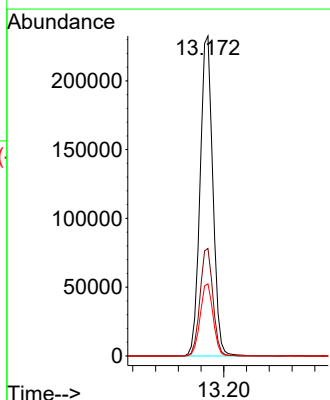
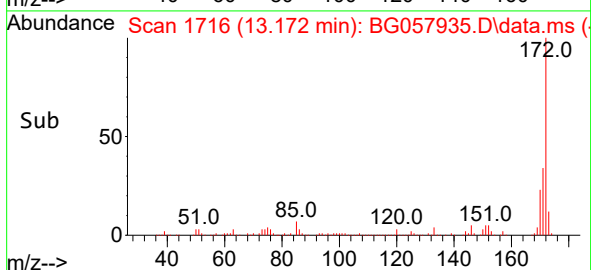
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

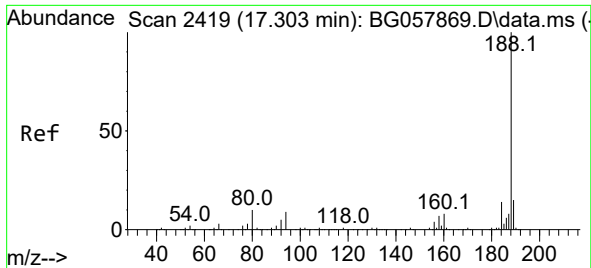


#45
2-Fluorobiphenyl
Concen: 33.877 ng
RT: 13.172 min Scan# 1716
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08



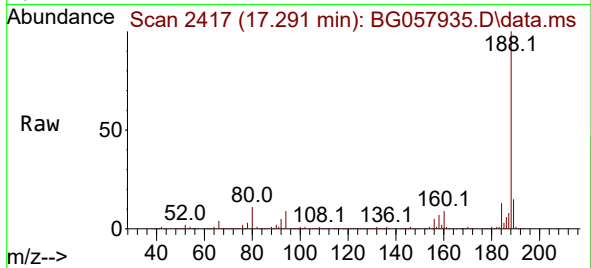
Tgt Ion:172 Resp: 362110
Ion Ratio Lower Upper
172 100
171 33.6 27.8 41.8
170 22.5 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.291 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

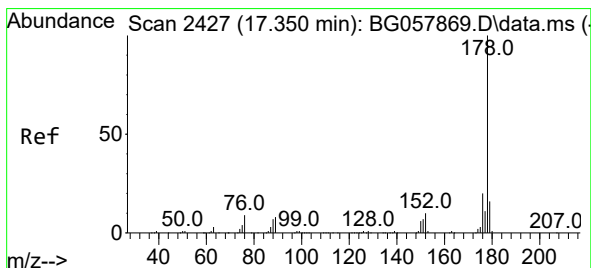
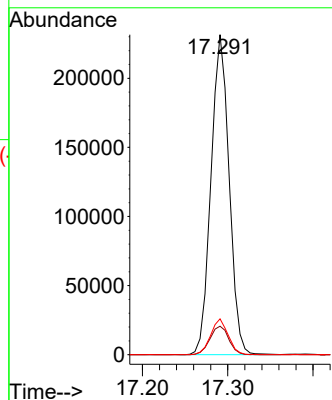
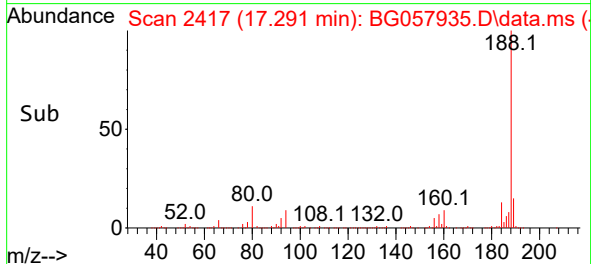
Instrument :
BNA_G
ClientSampleId :
SB-4-(0-2)



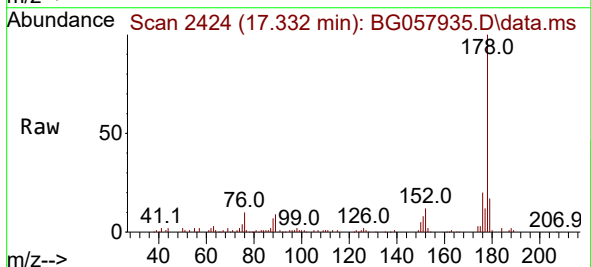
Tgt Ion:188 Resp: 34280
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 11.2 8.4 12.6

Manual Integrations
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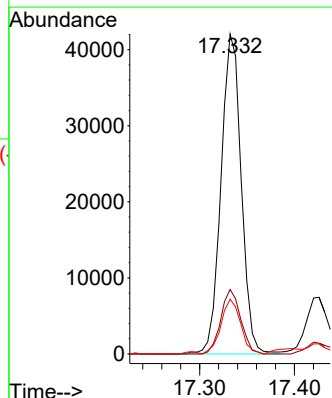
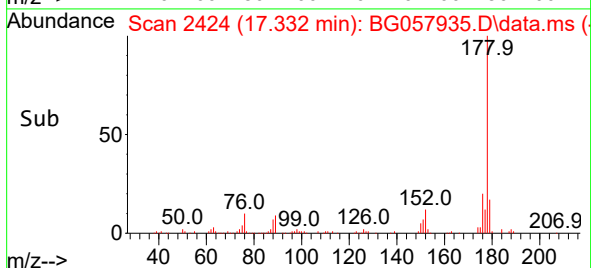
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

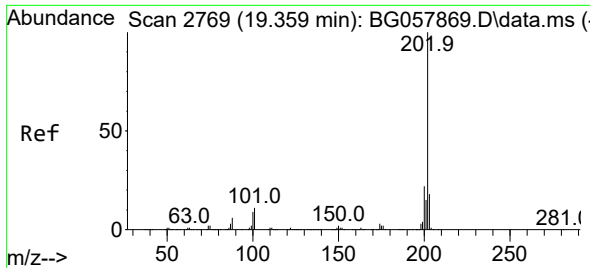


#71
Phenanthrene
Concen: 3.791 ng
RT: 17.332 min Scan# 2424
Delta R.T. -0.018 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08



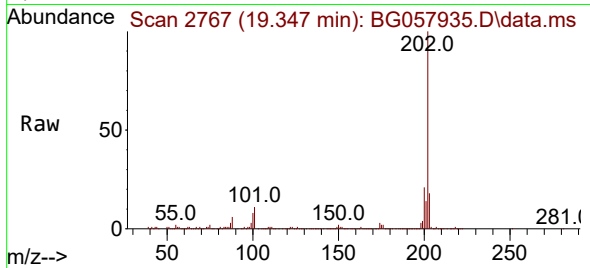
Tgt Ion:178 Resp: 62384
Ion Ratio Lower Upper
178 100
176 20.1 16.3 24.5
179 17.1 13.2 19.8





#75
Fluoranthene
Concen: 11.518 ng
RT: 19.347 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

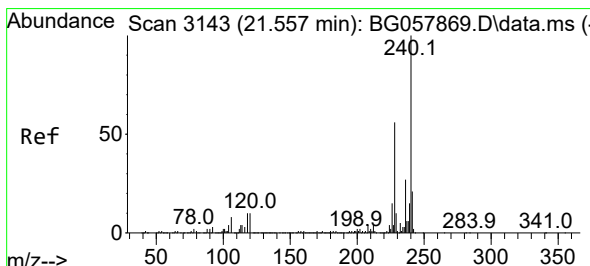
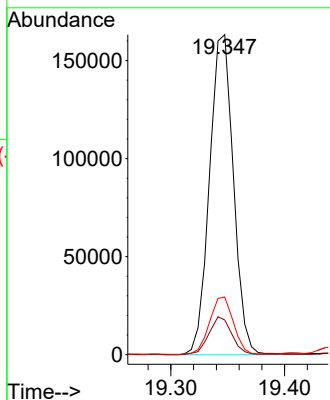
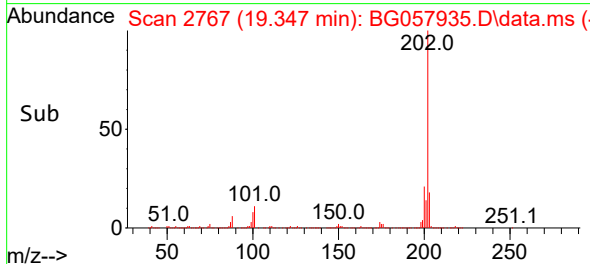
Instrument :
BNA_G
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SB-4-(0-2)



Tgt Ion:202 Resp: 238770
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.3
203 18.0 0.0 38.2

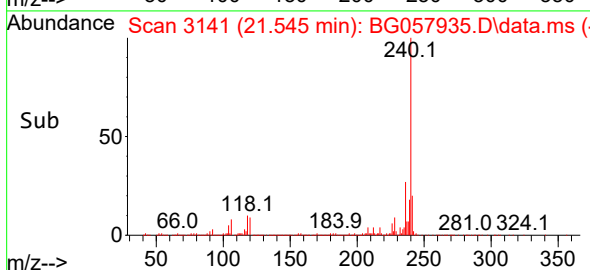
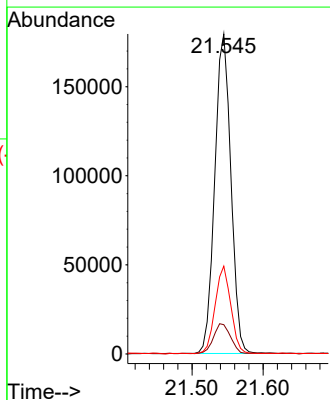
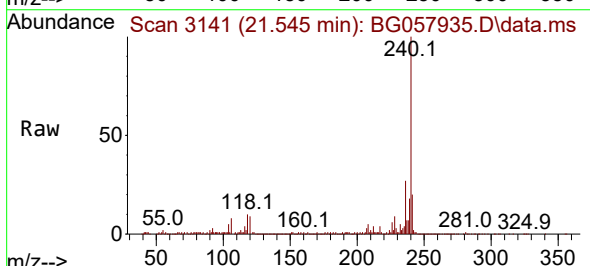
Manual Integrations
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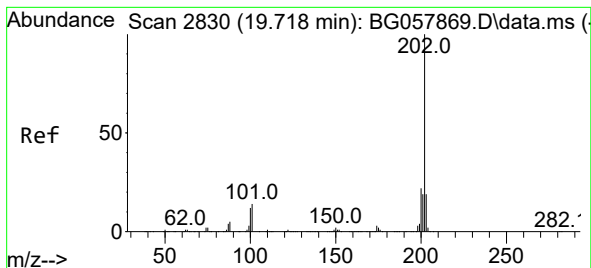
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.545 min Scan# 3141
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

Tgt Ion:240 Resp: 281750
Ion Ratio Lower Upper
240 100
120 9.1 8.1 12.1
236 27.5 21.9 32.9





#78

Pyrene

Concen: 10.789 ng

RT: 19.706 min Scan# 21704

Delta R.T. -0.012 min

Lab File: BG057935.D

Acq: 1 Jul 2023 2:08

Instrument :

BNA_G

ClientSampleId :

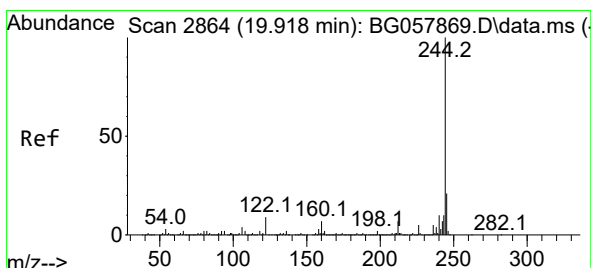
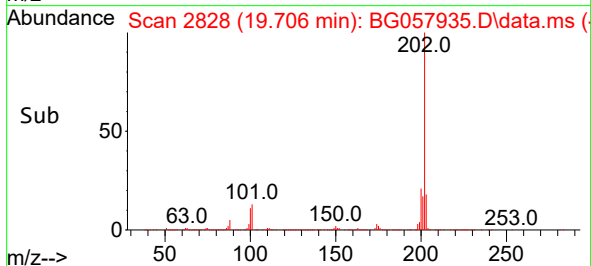
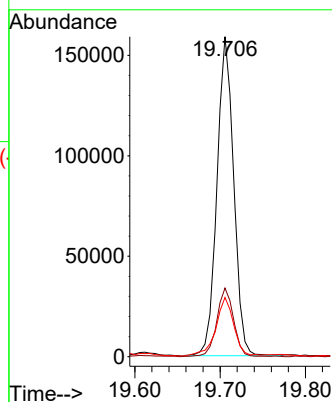
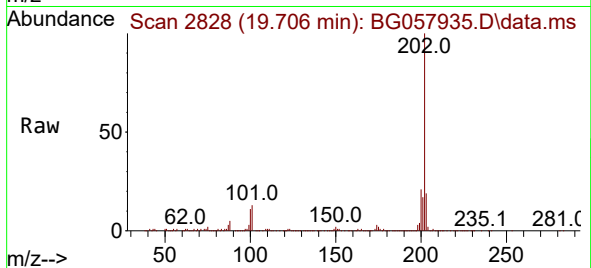
SB-4-(0-2)

Tgt Ion:	202	Resp:	21704
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.7	26.5
203	18.5	15.2	22.8

Manual Integrations

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#79

Terphenyl-d14

Concen: 32.015 ng

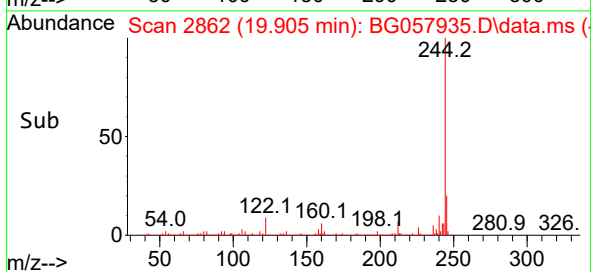
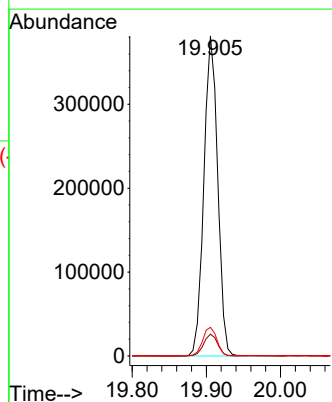
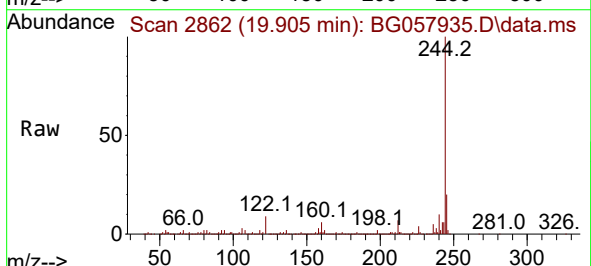
RT: 19.905 min Scan# 2862

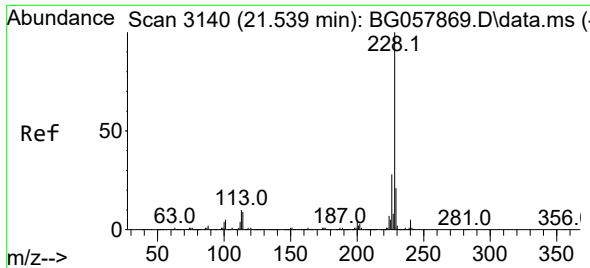
Delta R.T. -0.012 min

Lab File: BG057935.D

Acq: 1 Jul 2023 2:08

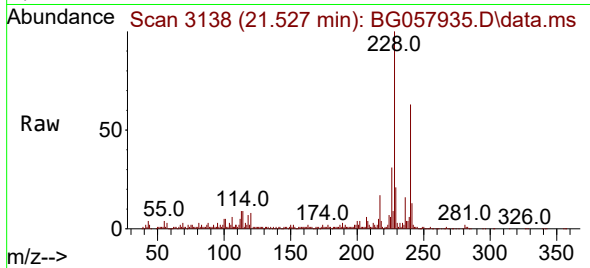
Tgt Ion:	244	Resp:	494772
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.9	8.9
122	8.9	7.4	11.0





#81
Benzo(a)anthracene
Concen: 7.171 ng
RT: 21.527 min Scan# 3138
Delta R.T. -0.012 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

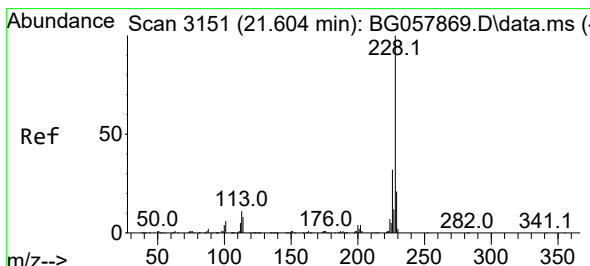
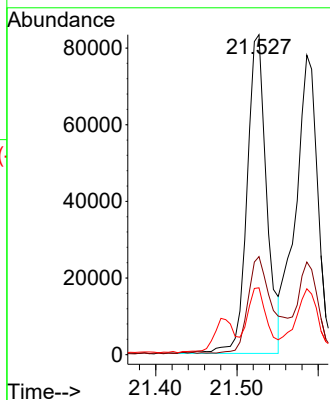
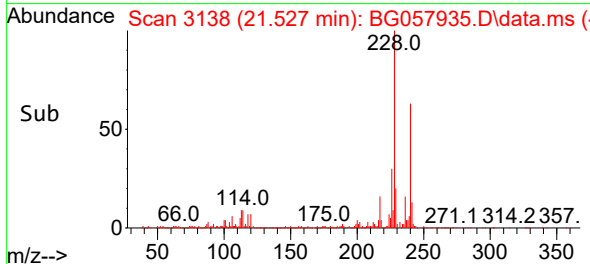
Instrument :
BNA_G
ClientSampleId :
SB-4-(0-2)



Tgt Ion:228 Resp: 139814
Ion Ratio Lower Upper
228 100
226 30.6 22.7 34.1
229 20.9 16.5 24.7

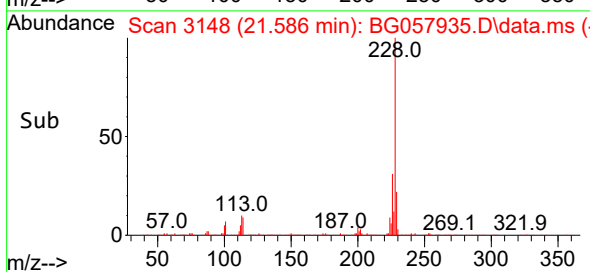
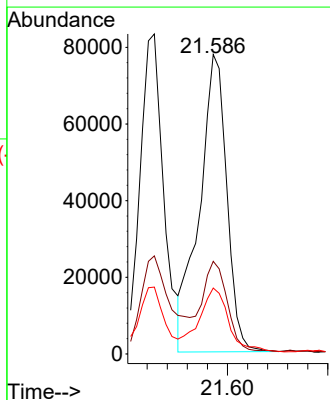
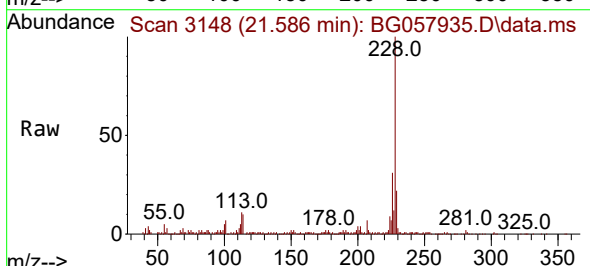
Manual Integrations
APPROVED

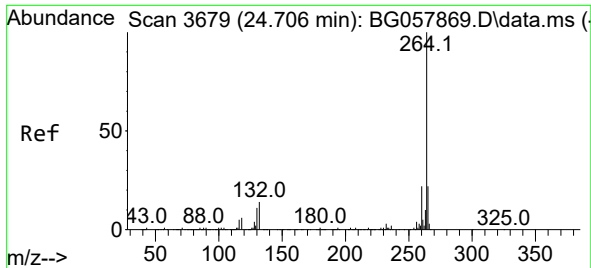
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#83
Chrysene
Concen: 7.977 ng
RT: 21.586 min Scan# 3148
Delta R.T. -0.018 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

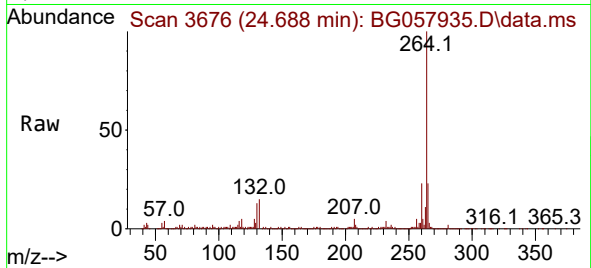
Tgt Ion:228 Resp: 147217
Ion Ratio Lower Upper
228 100
226 30.9 25.3 37.9
229 22.0 16.5 24.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.688 min Scan# 30
Delta R.T. -0.018 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

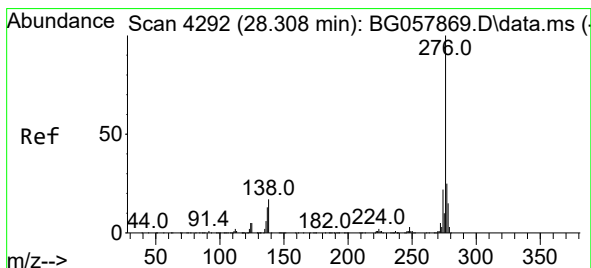
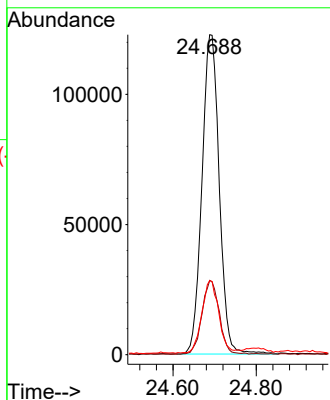
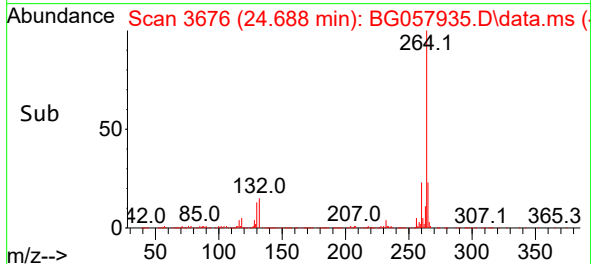
Instrument :
BNA_G
ClientSampleId :
SB-4-(0-2)



Tgt Ion:264 Resp: 353572
Ion Ratio Lower Upper
264 100
260 23.2 17.8 26.8
265 23.2 17.3 25.9

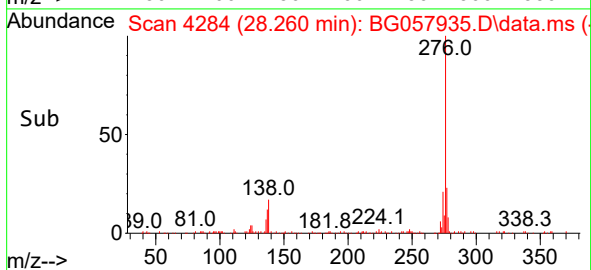
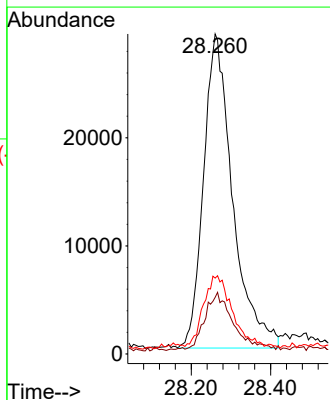
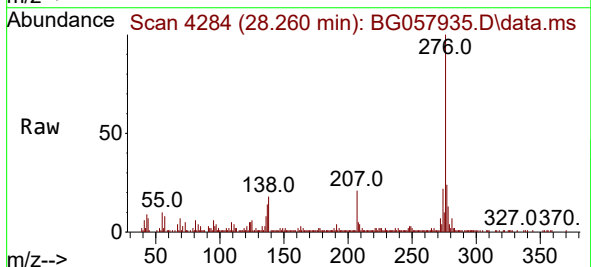
Manual Integrations
APPROVED

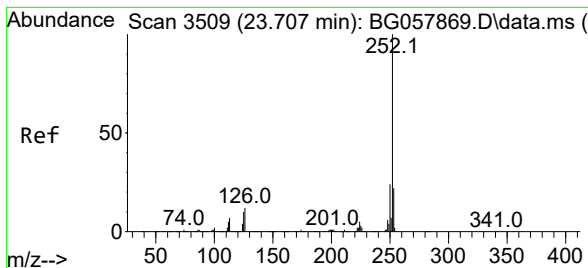
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.322 ng
RT: 28.260 min Scan# 4284
Delta R.T. -0.047 min
Lab File: BG057935.D
Acq: 1 Jul 2023 2:08

Tgt Ion:276 Resp: 148083
Ion Ratio Lower Upper
276 100
138 17.7 12.2 18.4
277 22.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 13.618 ng

RT: 23.689 min Scan# 3506

Delta R.T. -0.018 min

Lab File: BG057935.D

Acq: 1 Jul 2023 2:08

Instrument :

BNA_G

ClientSampleId :

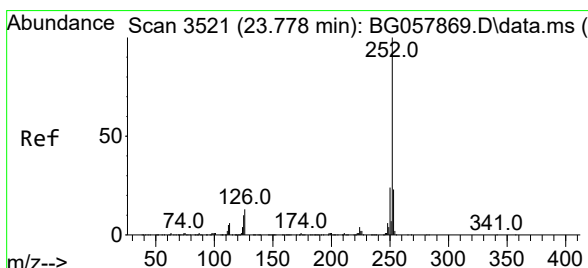
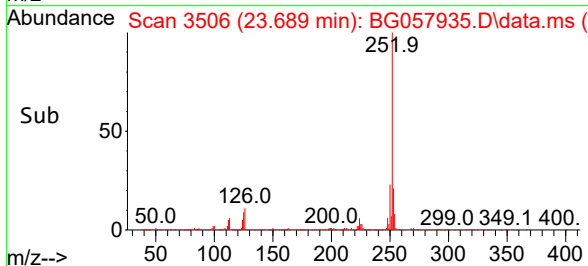
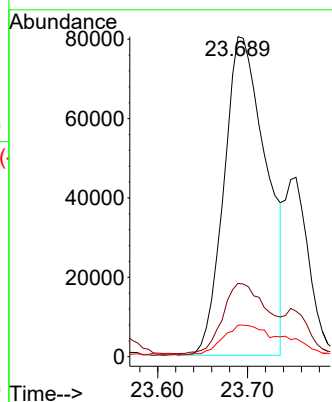
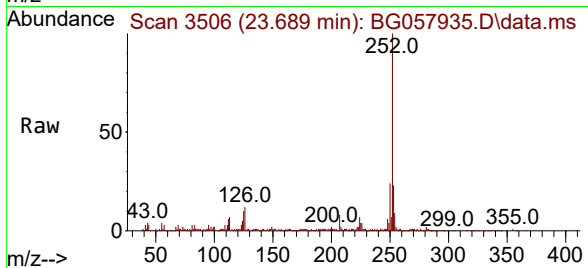
SB-4-(0-2)

Tgt Ion:252 Resp: 26261
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.7 26.5
 125 9.9 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :Sohil Jodhani 07/05/2023



#89

Benzo(k)fluoranthene

Concen: 4.190 ng m

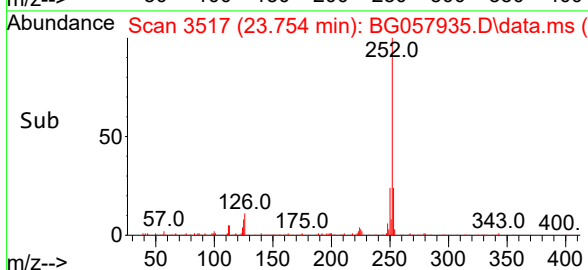
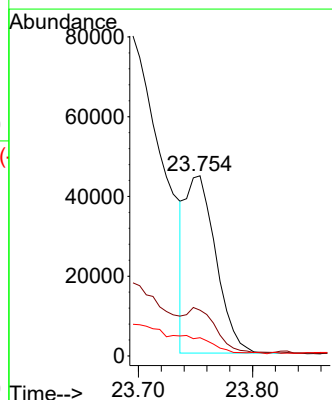
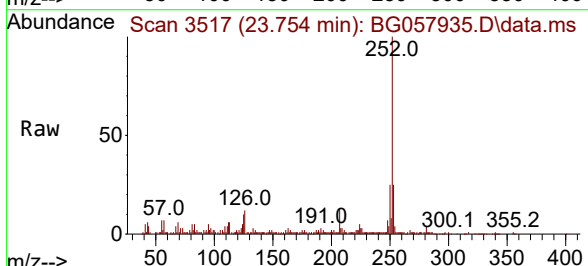
RT: 23.754 min Scan# 3517

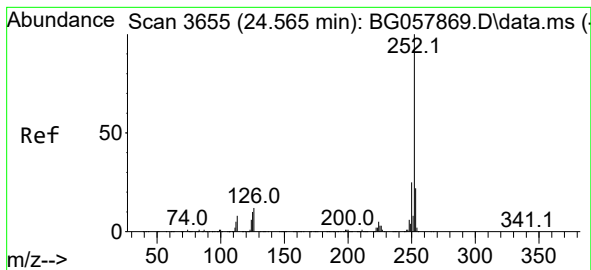
Delta R.T. -0.024 min

Lab File: BG057935.D

Acq: 1 Jul 2023 2:08

Tgt Ion:252 Resp: 81667
 Ion Ratio Lower Upper
 252 100
 253 25.4 18.1 27.1
 125 10.1 7.8 11.6





#90

Benzo(a)pyrene

Concen: 9.214 ng

RT: 24.535 min Scan# 30

Delta R.T. -0.030 min

Lab File: BG057935.D

Acq: 1 Jul 2023 2:08

Instrument :

BNA_G

ClientSampleId :

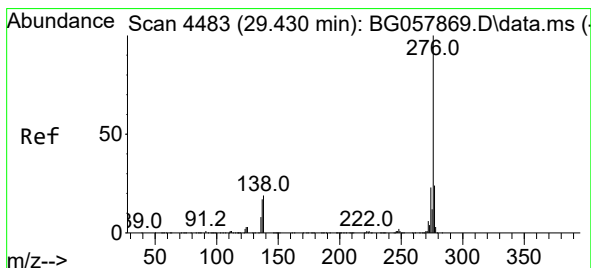
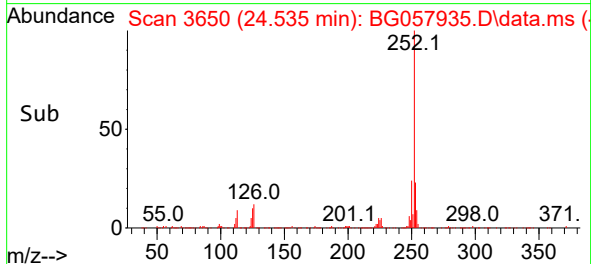
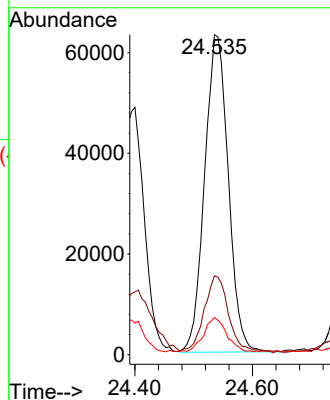
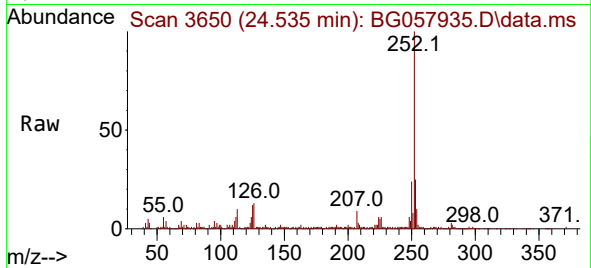
SB-4-(0-2)

Tgt Ion:252 Resp: 17602
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.7 26.5
 125 11.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :Sohil Jodhani 07/05/2023



#92

Benzo(g,h,i)perylene

Concen: 7.936 ng

RT: 29.388 min Scan# 4476

Delta R.T. -0.041 min

Lab File: BG057935.D

Acq: 1 Jul 2023 2:08

Tgt Ion:276 Resp: 153236
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.4 29.2
 138 20.2 15.0 22.6

