

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
 Data File : BG057916.D
 Acq On : 29 Jun 2023 23:02
 Operator : CG/JU
 Sample : 03366-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB38

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 07/07/2023

Quant Time: Jun 30 03:46:52 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	7.912	152	64621	20.000	ng	-0.01
21) Naphthalene-d8	10.721	136	267307	20.000	ng	0.00
39) Acenaphthene-d10	14.552	164	167192	20.000	ng	0.00
64) Phenanthrene-d10	17.295	188	347295	20.000	ng	0.00
76) Chrysene-d12	21.549	240	282001	20.000	ng	0.00
86) Perylene-d12	24.698	264	346190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	325079	76.967	ng	0.00
7) Phenol-d6	7.084	99	455019	72.045	ng	0.00
23) Nitrobenzene-d5	9.076	82	268531	49.232	ng	-0.01
42) 2,4,6-Tribromophenol	16.038	330	167108	59.508	ng	0.00
45) 2-Fluorobiphenyl	13.177	172	566423	51.700	ng	0.00
79) Terphenyl-d14	19.910	244	747654	48.335	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.346	202	79855	3.802	ng	97
78) Pyrene	19.710	202	71704	3.561	ng	98
81) Benzo(a)anthracene	21.526	228	43763	2.242	ng	99
83) Chrysene	21.590	228	43243m	2.341	ng	
88) Benzo(b)fluoranthene	23.694	252	65956	3.493	ng #	89
90) Benzo(a)pyrene	24.540	252	43169	2.308	ng #	88

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

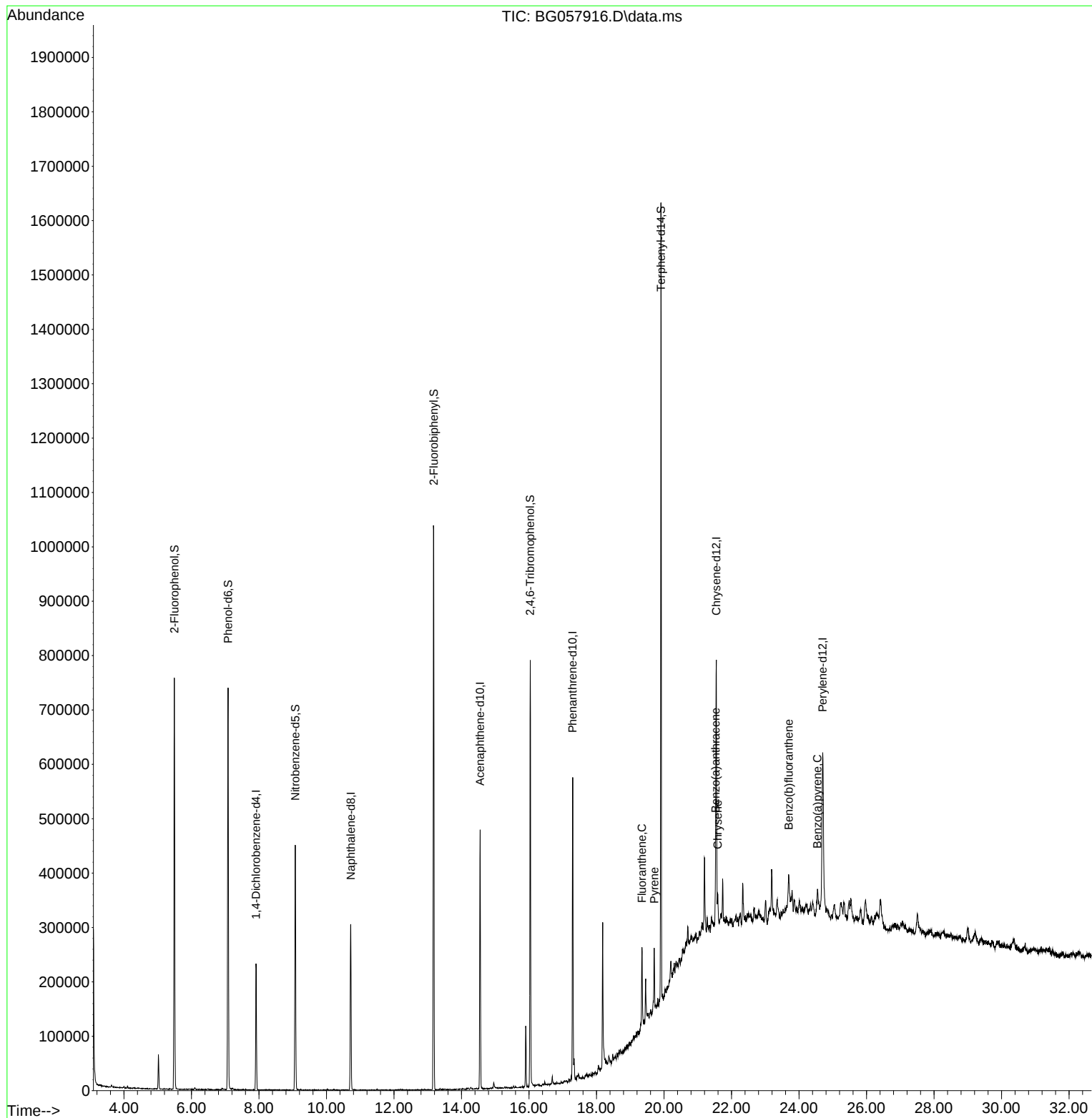
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
Data File : BG057916.D
Acq On : 29 Jun 2023 23:02
Operator : CG/JU
Sample : 03366-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

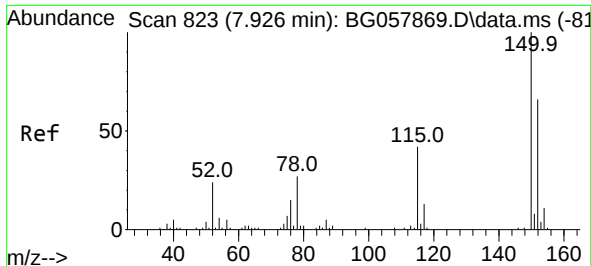
Instrument :
BNA_G
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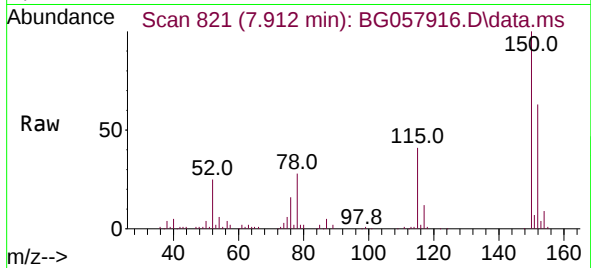
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.912 min Scan# 81
Delta R.T. -0.014 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

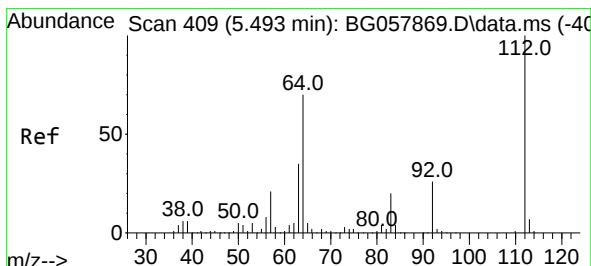
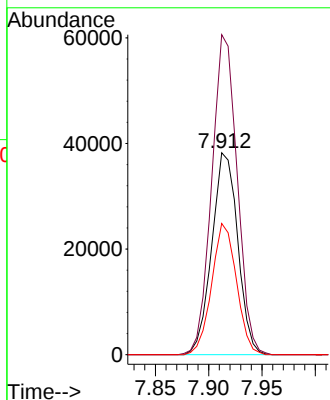
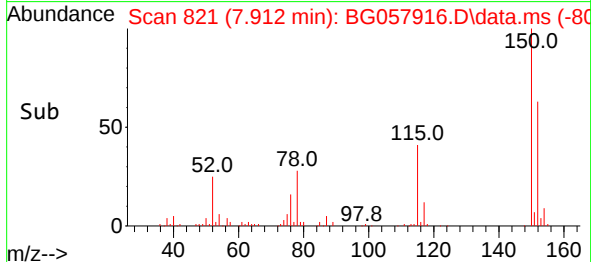
Instrument :
BNA_G
ClientSampleId :
SB38



Tgt Ion:152 Resp: 6462
Ion Ratio Lower Upper
152 100
150 158.5 122.0 183.0
115 65.0 50.7 76.1

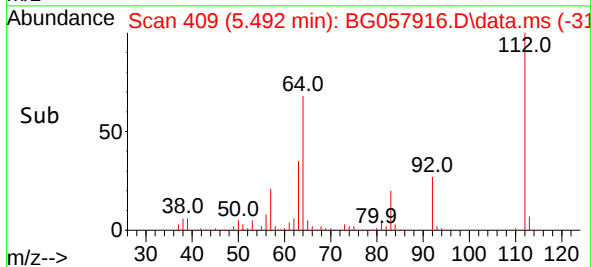
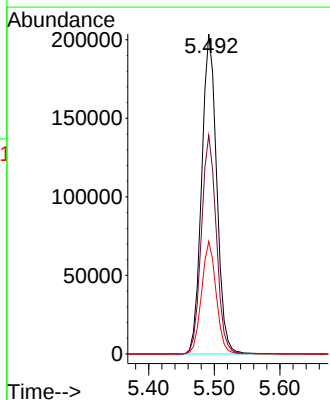
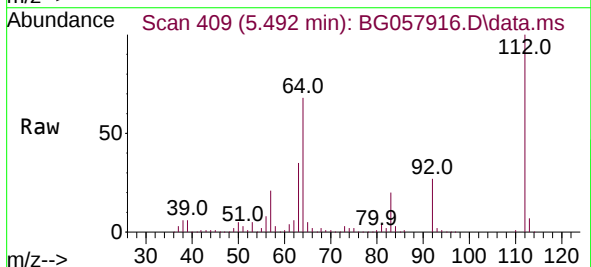
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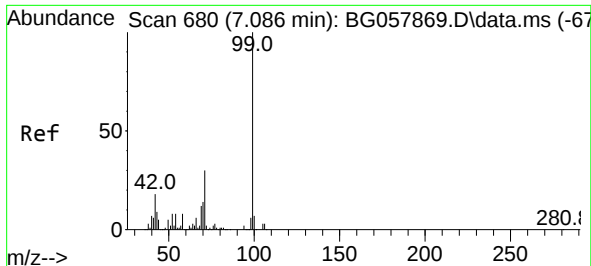
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#5
2-Fluorophenol
Concen: 76.967 ng
RT: 5.492 min Scan# 409
Delta R.T. -0.002 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

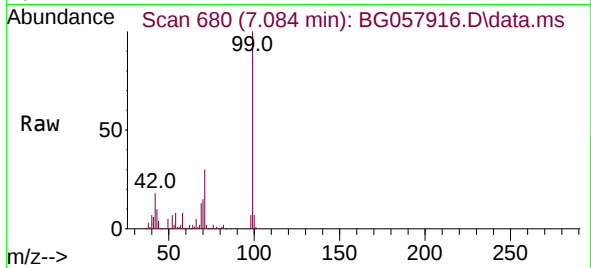
Tgt Ion:112 Resp: 325079
Ion Ratio Lower Upper
112 100
64 68.4 55.8 83.6
63 35.1 27.9 41.9





#7
Phenol-d6
Concen: 72.045 ng
RT: 7.084 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

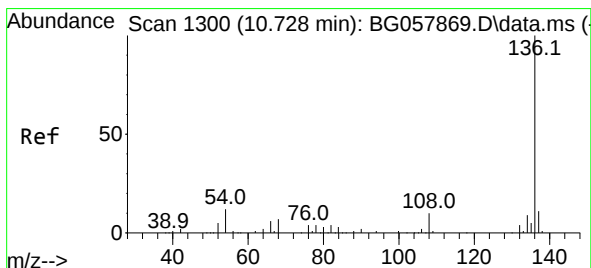
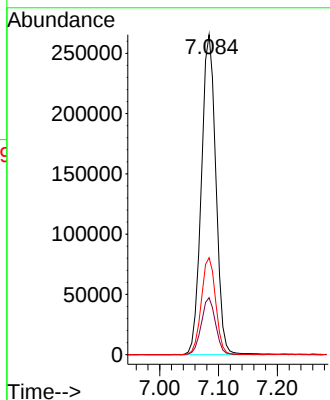
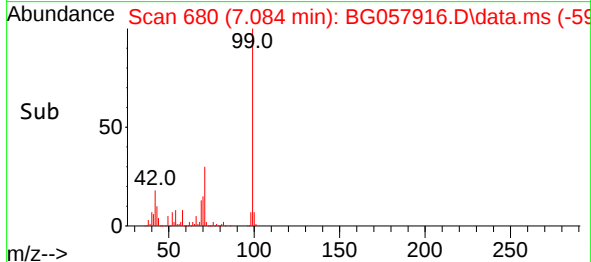
Instrument :
BNA_G
ClientSampleId :
SB38



Tgt Ion: 99 Resp: 455019
Ion Ratio Lower Upper
99 100
42 17.8 14.2 21.4
71 30.3 23.9 35.9

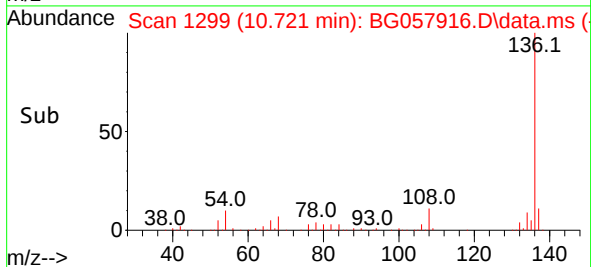
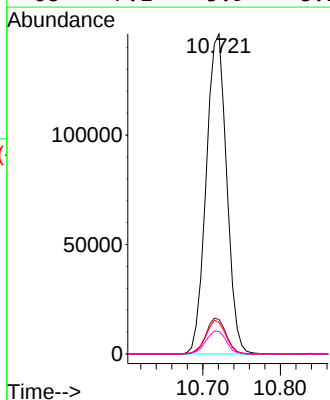
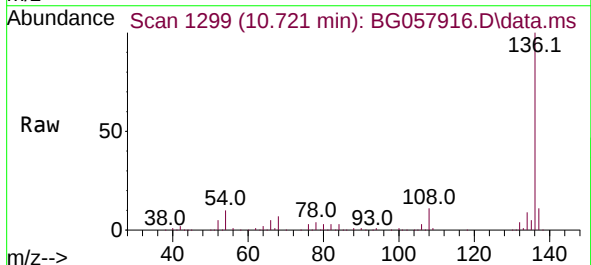
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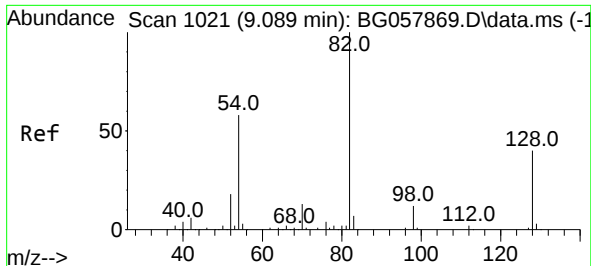
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.721 min Scan# 1299
Delta R.T. -0.008 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

Tgt Ion:136 Resp: 267307
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.8 9.3 13.9
68 7.1 5.9 8.9





#23

Nitrobenzene-d5

Concen: 49.232 ng

RT: 9.076 min Scan# 1019

Delta R.T. -0.013 min

Lab File: BG057916.D

Acq: 29 Jun 2023 23:02

Instrument :

BNA_G

ClientSampleId :

SB38

Tgt Ion: 82 Resp: 26853

Ion Ratio Lower Upper

82 100

128 41.6 32.2 48.4

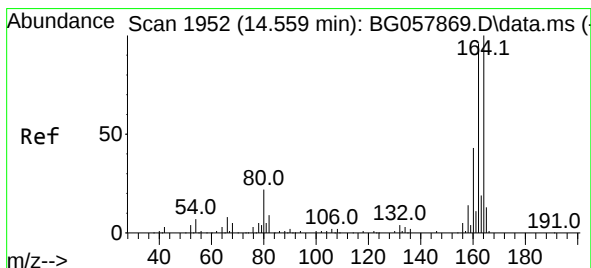
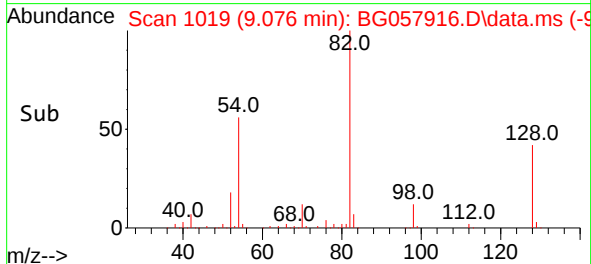
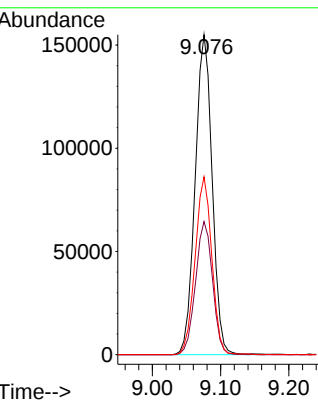
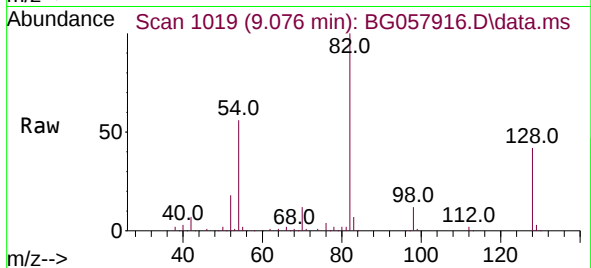
54 55.5 46.1 69.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 07/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.552 min Scan# 1951

Delta R.T. -0.008 min

Lab File: BG057916.D

Acq: 29 Jun 2023 23:02

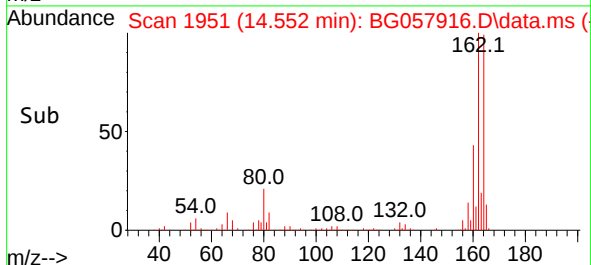
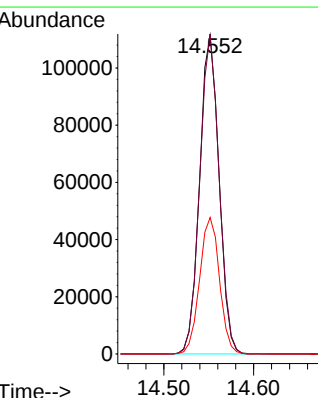
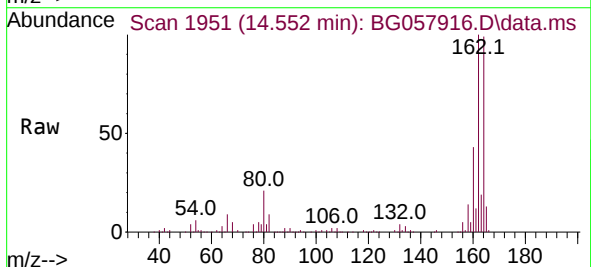
Tgt Ion:164 Resp: 167192

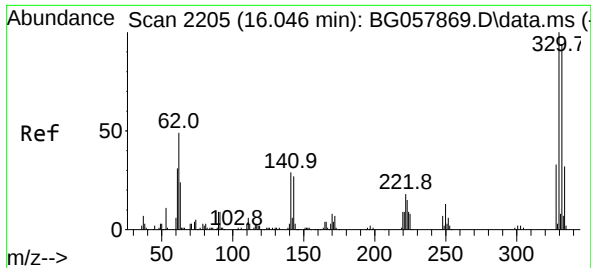
Ion Ratio Lower Upper

164 100

162 100.5 76.4 114.6

160 42.9 34.2 51.2





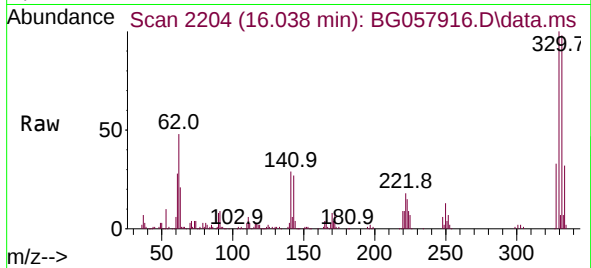
#42
2,4,6-Tribromophenol
Concen: 59.508 ng
RT: 16.038 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

Instrument :

BNA_G

ClientSampleId :

SB38



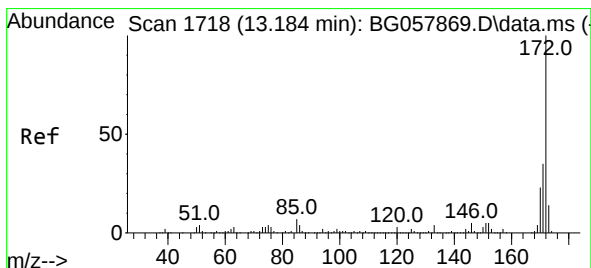
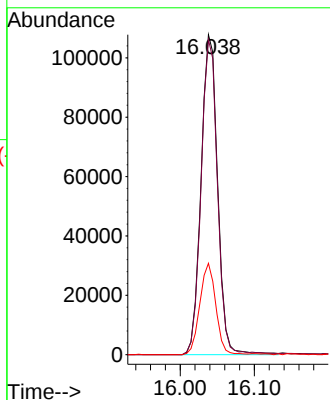
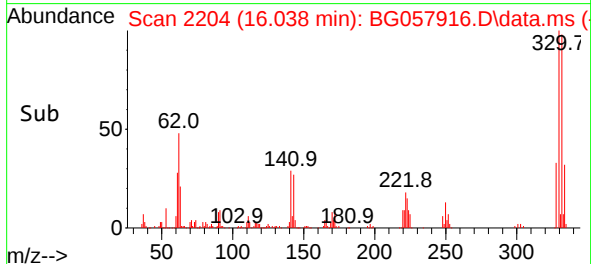
Tgt Ion:330 Resp: 167108
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 27.5 22.2 33.4

Manual Integrations

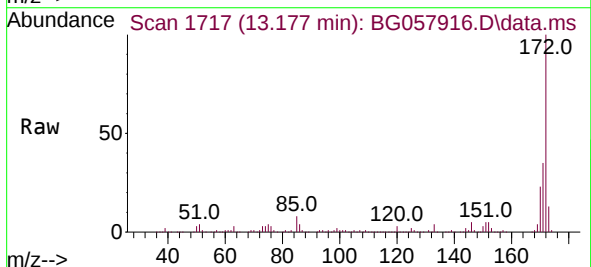
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Reviewed By :Yogesh Patel 06/30/2023

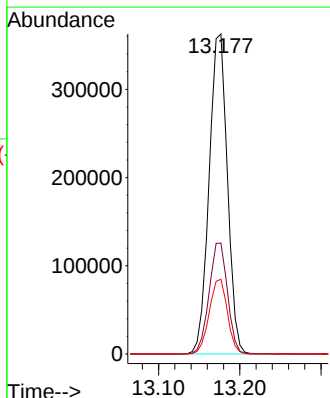
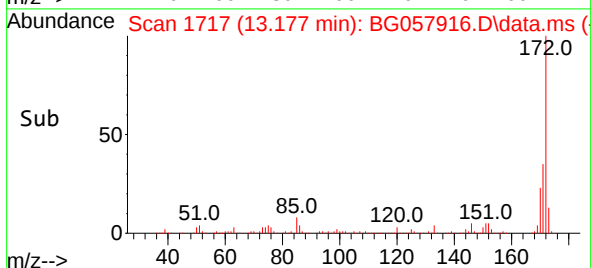
Supervised By :mohammad ahmed 07/07/2023

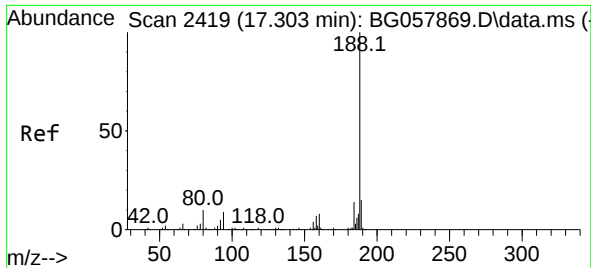


#45
2-Fluorobiphenyl
Concen: 51.700 ng
RT: 13.177 min Scan# 1717
Delta R.T. -0.008 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02



Tgt Ion:172 Resp: 566423
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 23.4 18.6 27.8





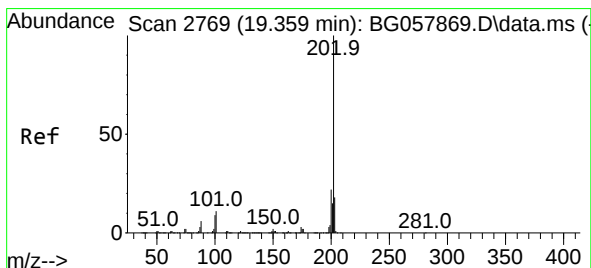
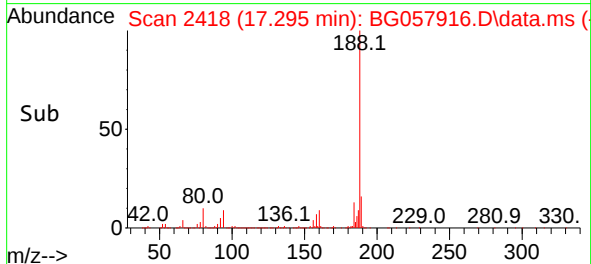
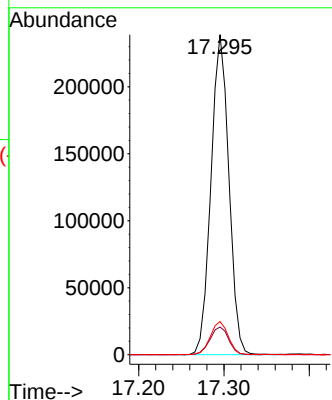
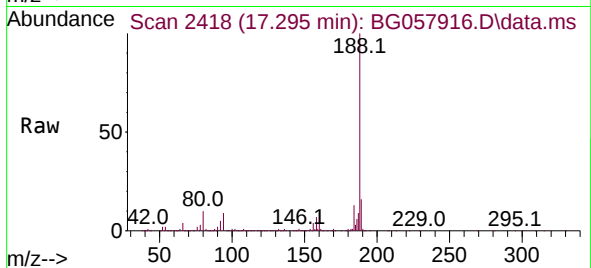
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.295 min Scan# 2419
Delta R.T. -0.008 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

Instrument :
BNA_G
ClientSampleId :
SB38

Tgt Ion:188 Resp: 347295
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 10.4 8.4 12.6

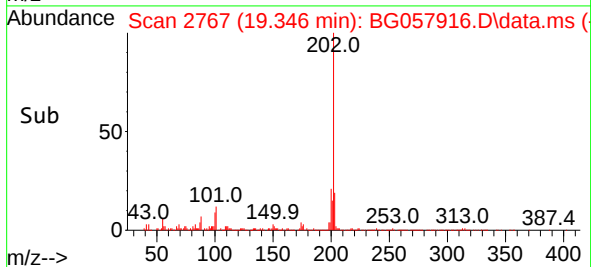
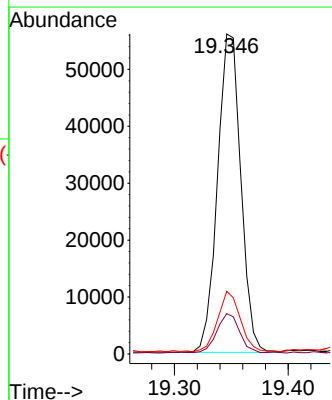
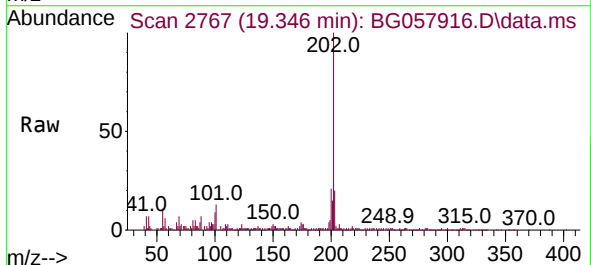
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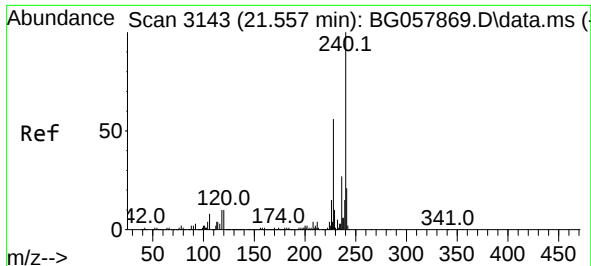
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#75
Fluoranthene
Concen: 3.802 ng
RT: 19.346 min Scan# 2767
Delta R.T. -0.013 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

Tgt Ion:202 Resp: 79855
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.3
203 19.6 0.0 38.2





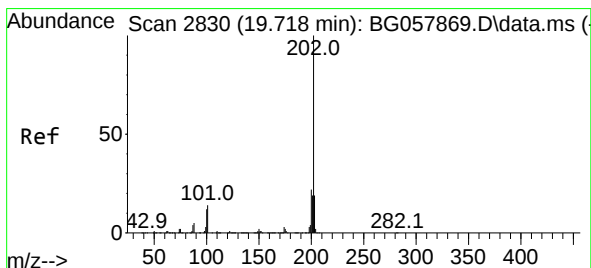
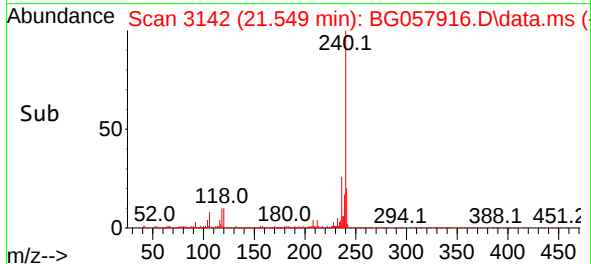
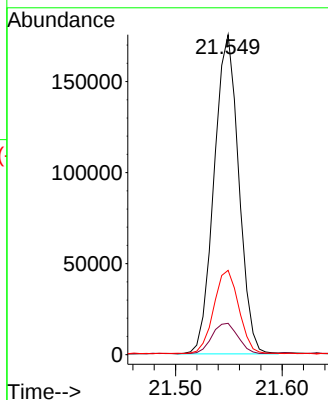
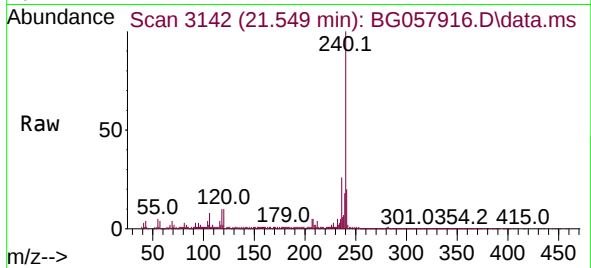
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.549 min Scan# 3143
Delta R.T. -0.008 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

Instrument :
BNA_G
ClientSampleId :
SB38

Tgt Ion:240 Resp: 28200
Ion Ratio Lower Upper
240 100
120 9.8 8.1 12.1
236 26.3 21.9 32.9

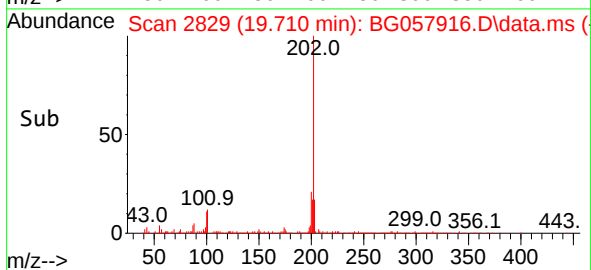
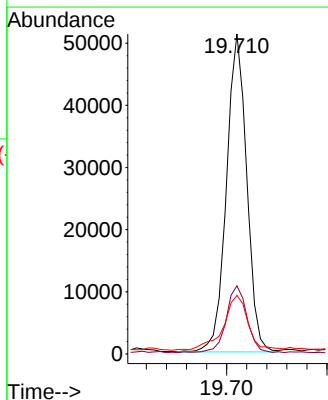
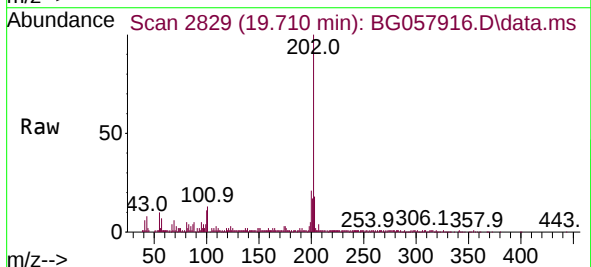
Manual Integrations
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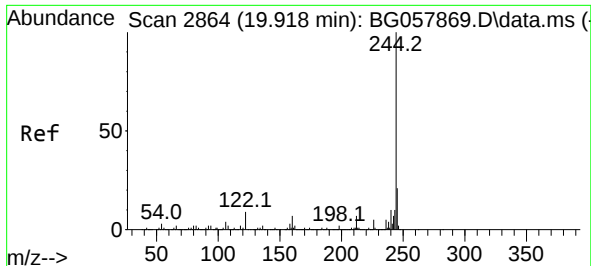
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#78
Pyrene
Concen: 3.561 ng
RT: 19.710 min Scan# 2829
Delta R.T. -0.008 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

Tgt Ion:202 Resp: 71704
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 18.3 15.2 22.8





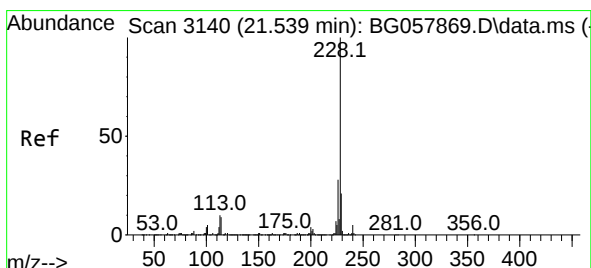
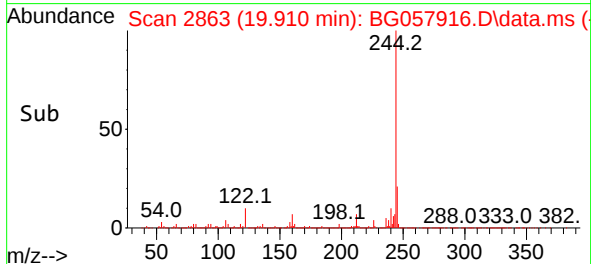
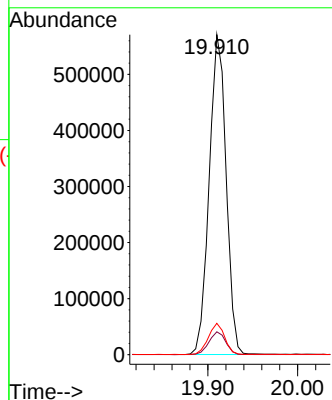
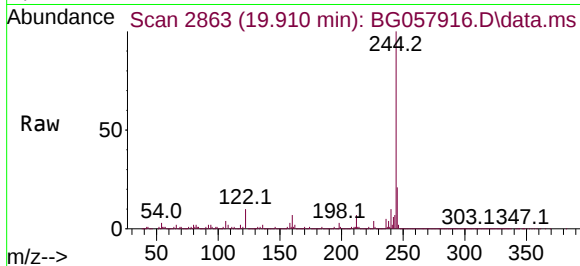
#79
 Terphenyl-d14
 Concen: 48.335 ng
 RT: 19.910 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Instrument :
 BNA_G
 ClientSampleId :
 SB38

Tgt Ion:244 Resp: 747654
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.8 7.4 11.0

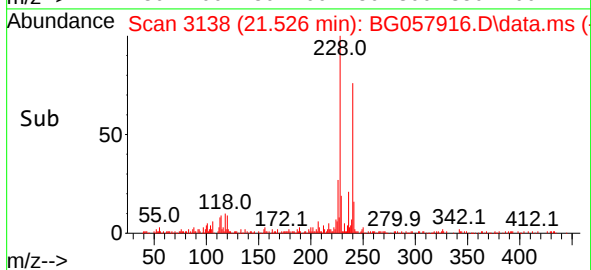
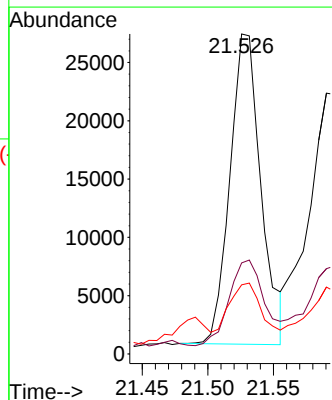
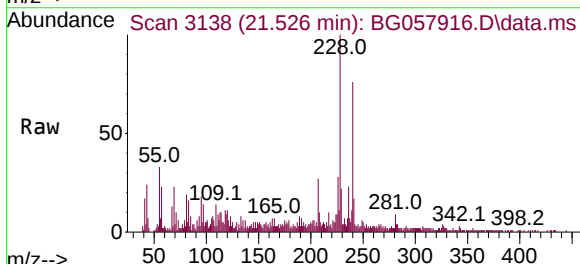
Manual Integrations
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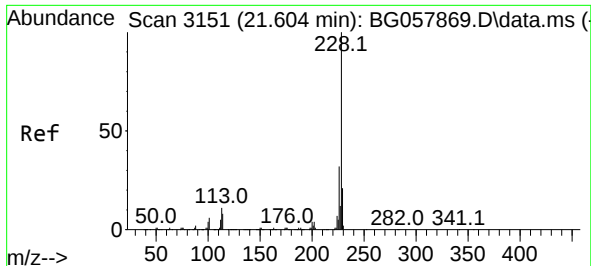
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 07/07/2023



#81
 Benzo(a)anthracene
 Concen: 2.242 ng
 RT: 21.526 min Scan# 3138
 Delta R.T. -0.013 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Tgt Ion:228 Resp: 43763
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.7 34.1
 229 21.6 16.5 24.7





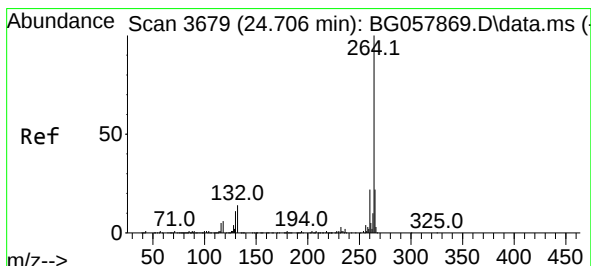
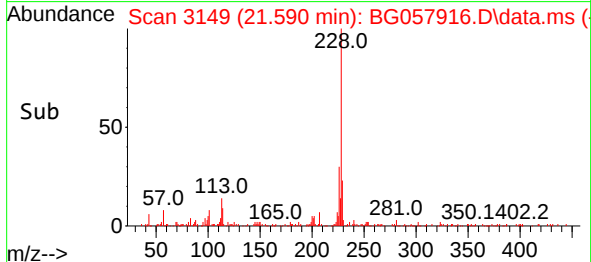
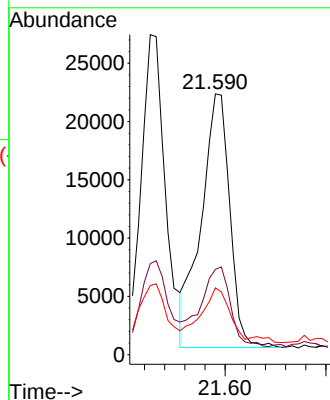
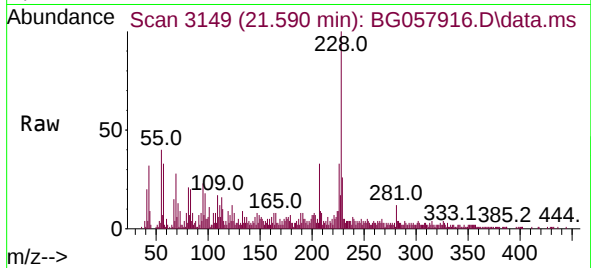
#83
Chrysene
Concen: 2.341 ng m
RT: 21.590 min Scan# 3151
Delta R.T. -0.013 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

Instrument :
BNA_G
ClientSampleId :
SB38

Tgt Ion:228 Resp: 4324
Ion Ratio Lower Upper
228 100
226 32.7 25.3 37.9
229 25.7 16.5 24.7

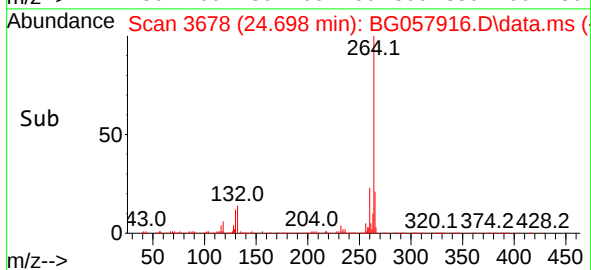
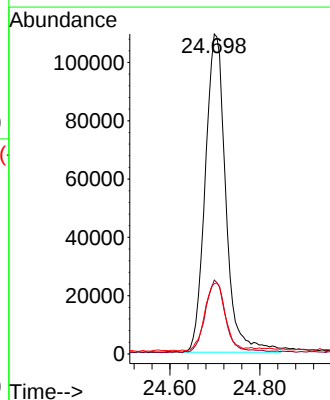
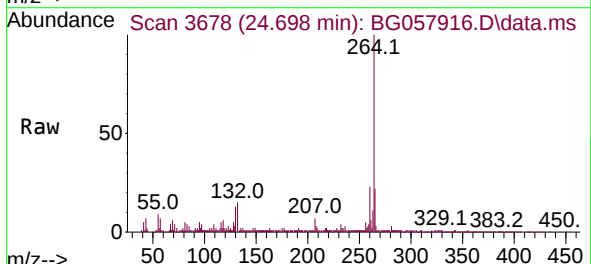
Manual Integrations
APPROVED

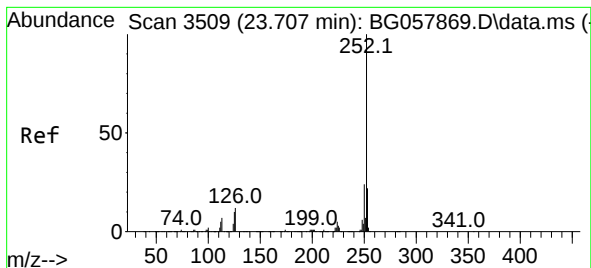
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.698 min Scan# 3678
Delta R.T. -0.008 min
Lab File: BG057916.D
Acq: 29 Jun 2023 23:02

Tgt Ion:264 Resp: 346190
Ion Ratio Lower Upper
264 100
260 23.1 17.8 26.8
265 22.0 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 3.493 ng

RT: 23.694 min Scan# 3507

Delta R.T. -0.013 min

Lab File: BG057916.D

Acq: 29 Jun 2023 23:02

Instrument :

BNA_G

ClientSampleId :

SB38

Tgt Ion:252 Resp: 65950

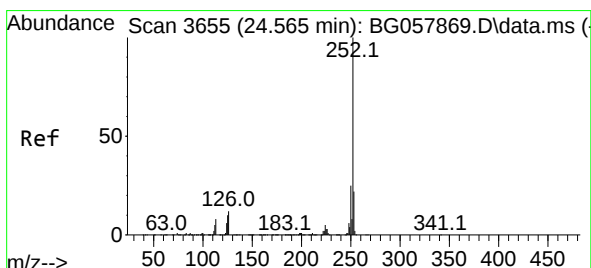
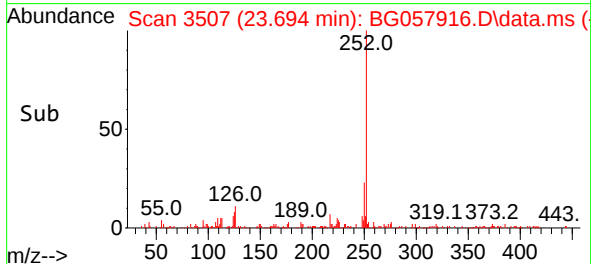
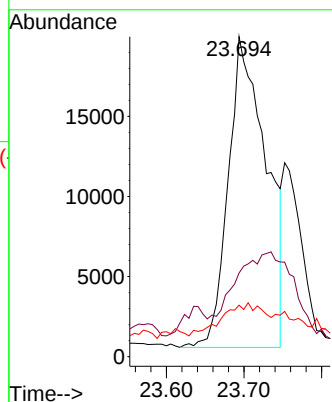
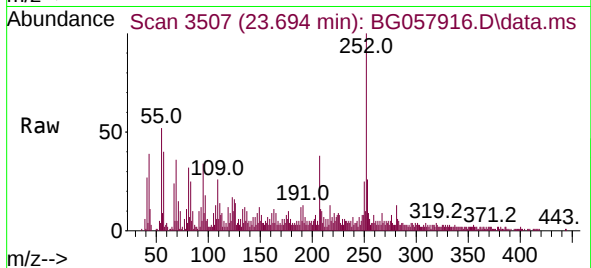
Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.7	26.5
125	16.1	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 07/07/2023



#90

Benzo(a)pyrene

Concen: 2.308 ng

RT: 24.540 min Scan# 3651

Delta R.T. -0.025 min

Lab File: BG057916.D

Acq: 29 Jun 2023 23:02

Tgt Ion:252 Resp: 43169

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	19.7	8.0	12.0

