

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057831.D
 Acq On : 23 Jun 2023 6:41
 Operator : CG/JU
 Sample : 03327-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-TW-06

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 23 07:19:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	53695	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	227890	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	141767	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	307167	20.000	ng	0.00
76) Chrysene-d12	21.555	240	258081	20.000	ng	0.00
86) Perylene-d12	24.704	264	320387	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.497	112	334856	96.157	ng	0.00
7) Phenol-d6	7.084	99	476286	89.636	ng	0.00
23) Nitrobenzene-d5	9.081	82	290132	65.341	ng	-0.01
42) 2,4,6-Tribromophenol	16.044	330	190557	96.494	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	655290	70.108	ng	0.00
79) Terphenyl-d14	19.916	244	940631	67.962	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.342	178	59306	3.988	ng	97
75) Fluoranthene	19.352	202	162780	9.187	ng	98
78) Pyrene	19.716	202	155041	8.421	ng	99
81) Benzo(a)anthracene	21.537	228	92974	5.251	ng	99
83) Chrysene	21.596	228	86525	5.092	ng	96
87) Indeno(1,2,3-cd)pyrene	28.288	276	50340	2.403	ng	93
88) Benzo(b)fluoranthene	23.706	252	135019	7.690	ng	99
89) Benzo(k)fluoranthene	23.758	252	46435m	2.597	ng	
90) Benzo(a)pyrene	24.552	252	90639	5.257	ng	94
92) Benzo(g,h,i)perylene	29.405	276	47970	2.756	ng	98

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

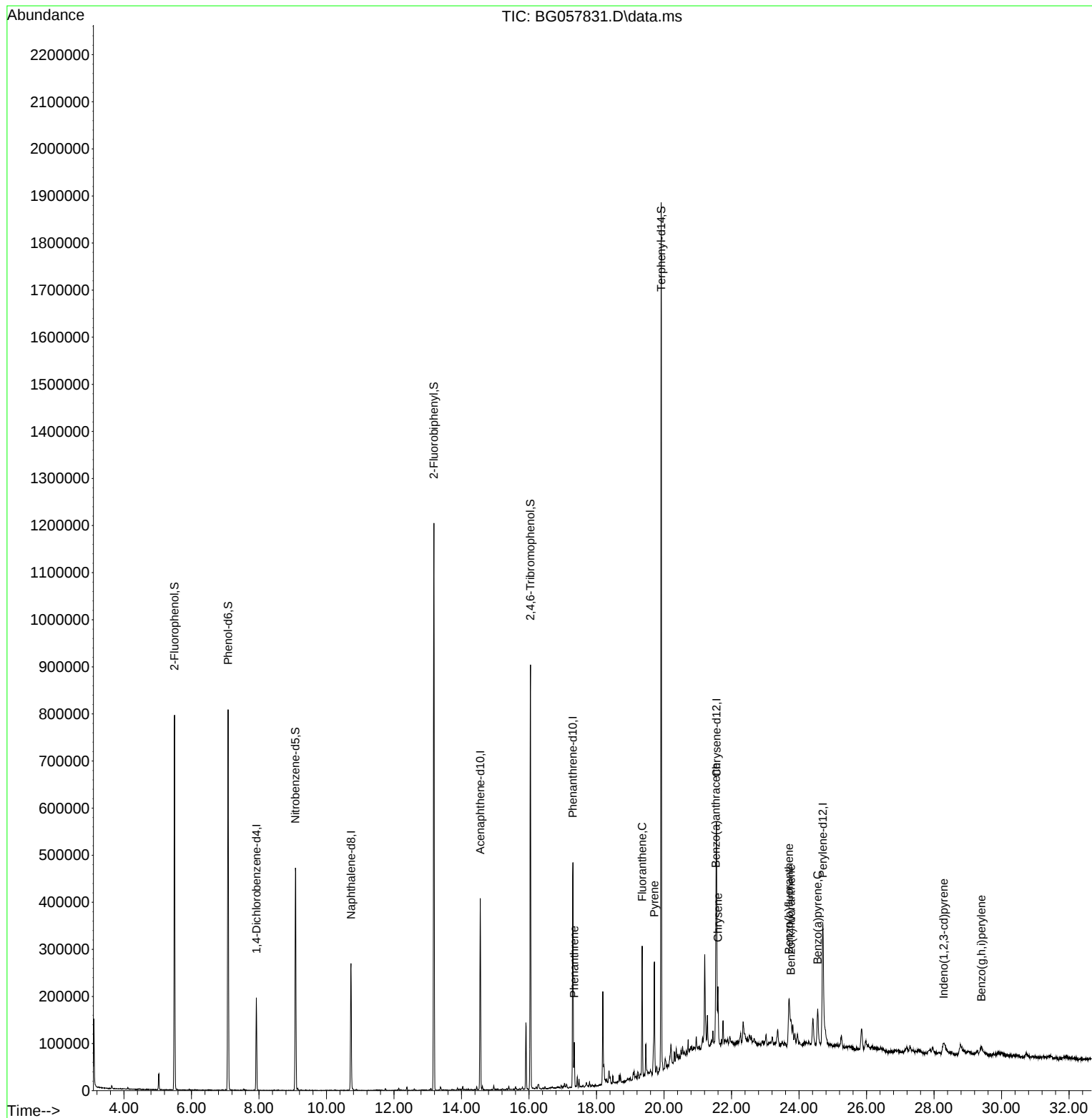
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
Data File : BG057831.D
Acq On : 23 Jun 2023 6:41
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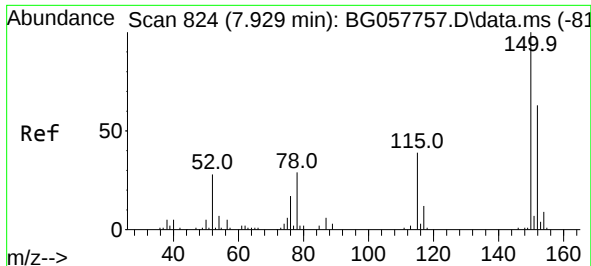
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06

Quant Time: Jun 23 07:19:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
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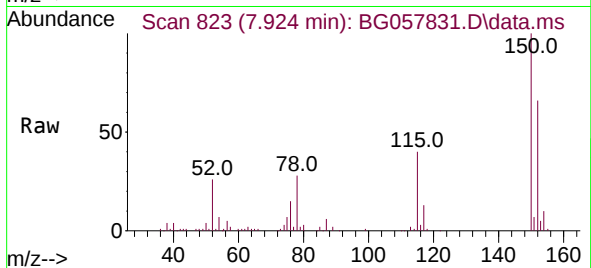
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-06

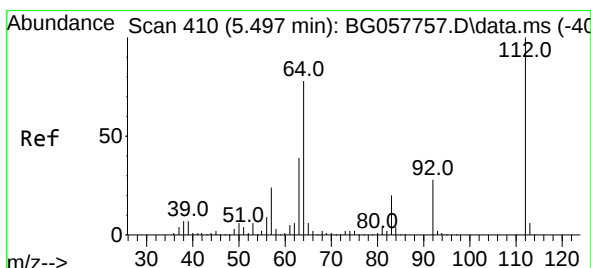
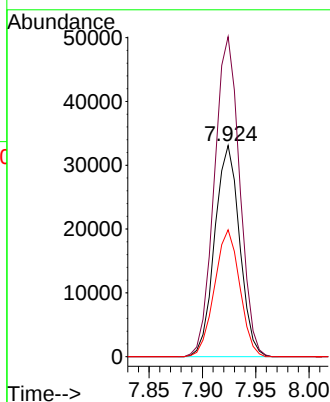
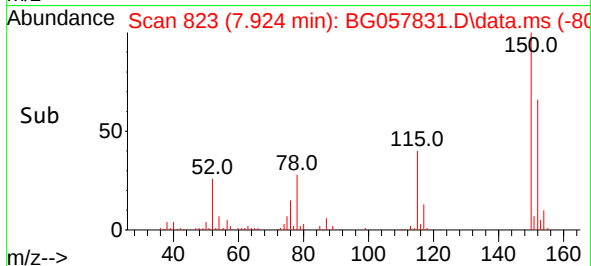


Tgt Ion:152 Resp: 5369
Ion Ratio Lower Upper
152 100
150 151.5 126.6 189.8
115 60.0 48.9 73.3

Manual Integrations

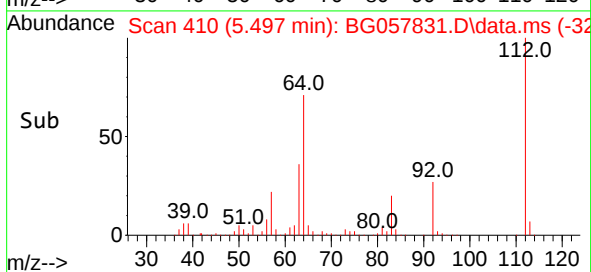
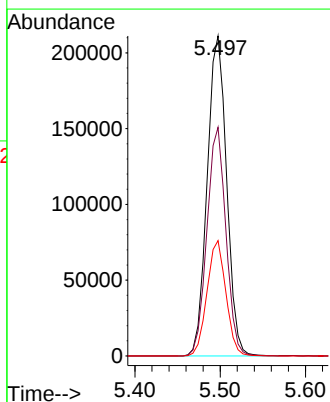
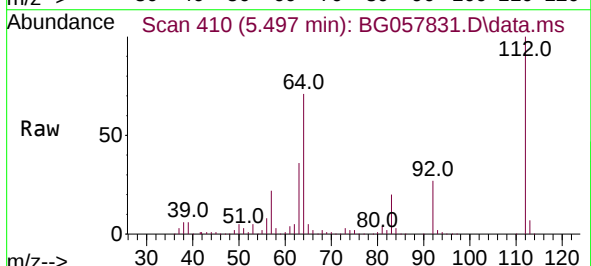
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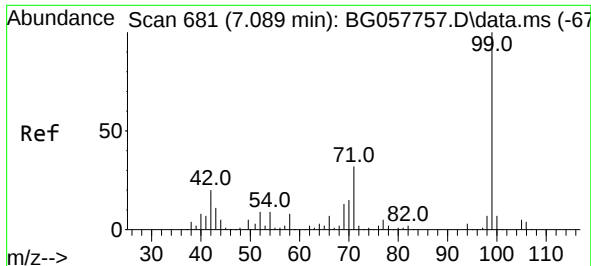
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#5
2-Fluorophenol
Concen: 96.157 ng
RT: 5.497 min Scan# 410
Delta R.T. 0.000 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

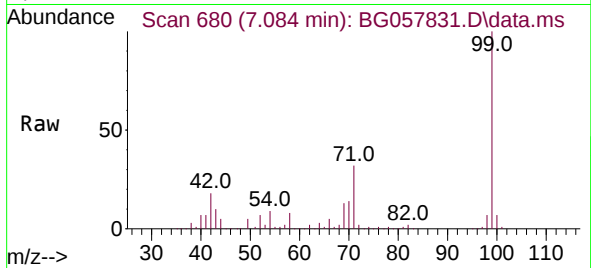
Tgt Ion:112 Resp: 334856
Ion Ratio Lower Upper
112 100
64 71.4 62.1 93.1
63 36.0 31.5 47.3





#7
Phenol-d6
Concen: 89.636 ng
RT: 7.084 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

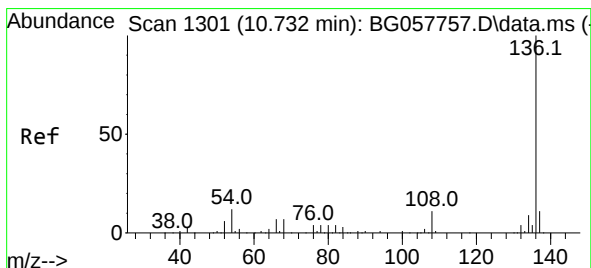
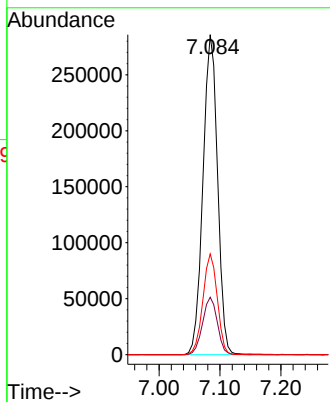
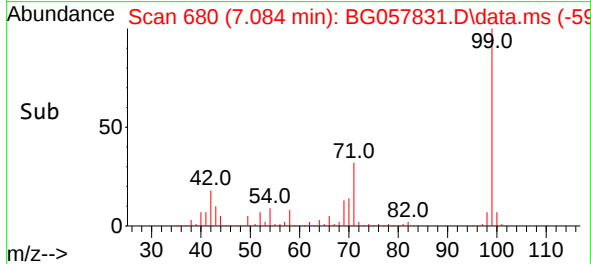
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06



Tgt Ion: 99 Resp: 476280
Ion Ratio Lower Upper
99 100
42 17.9 16.4 24.6
71 31.5 25.8 38.6

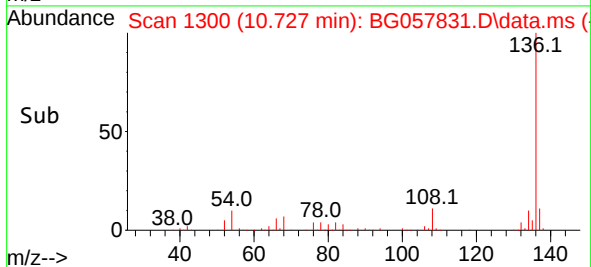
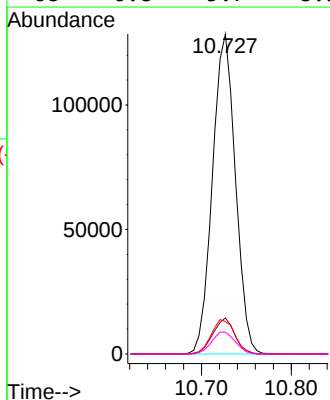
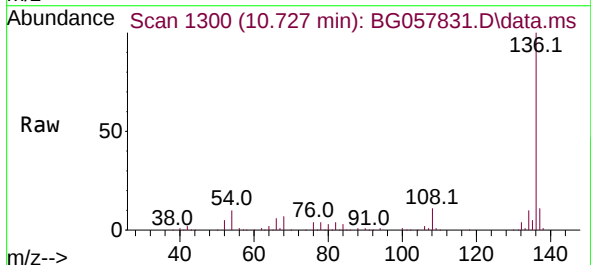
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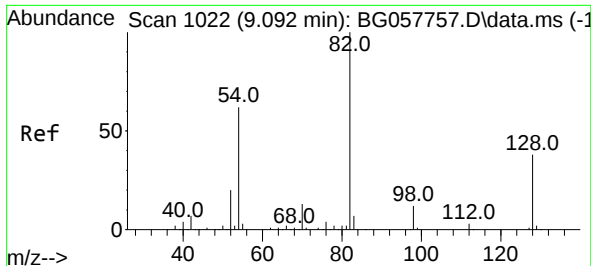
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1300
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Tgt Ion:136 Resp: 227890
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.1 9.5 14.3
68 6.8 5.7 8.5





#23
Nitrobenzene-d5
Concen: 65.341 ng
RT: 9.081 min Scan# 1020
Delta R.T. -0.011 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

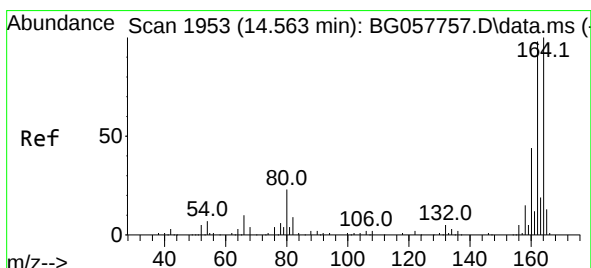
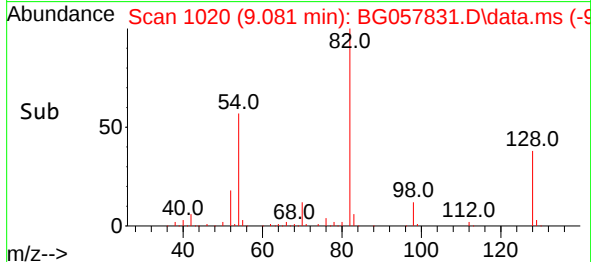
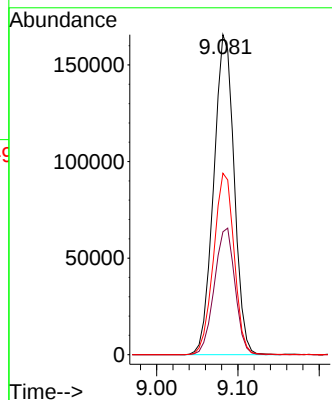
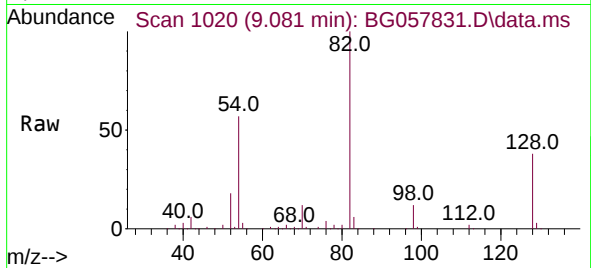
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Tgt Ion: 82 Resp: 29013
Ion Ratio Lower Upper
82 100
128 38.4 30.7 46.1
54 56.7 49.6 74.4

Manual Integrations

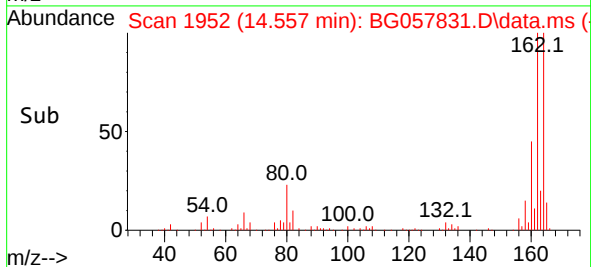
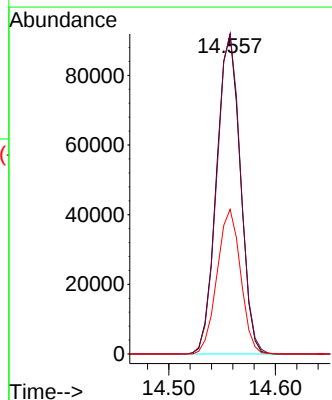
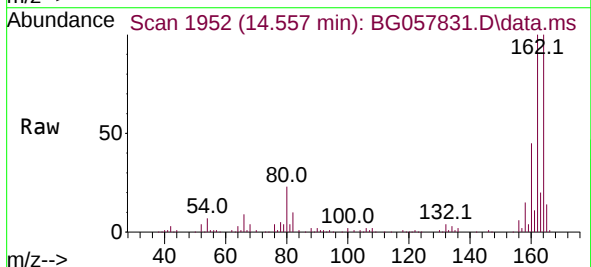
APPROVED

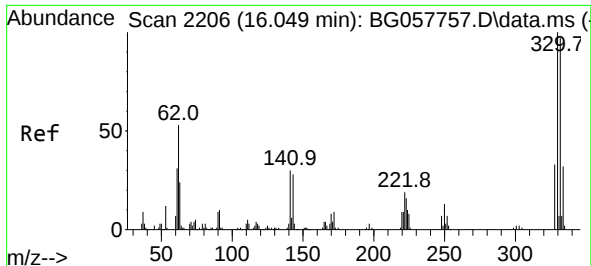
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Tgt Ion:164 Resp: 141767
Ion Ratio Lower Upper
164 100
162 100.0 78.3 117.5
160 45.2 35.4 53.0





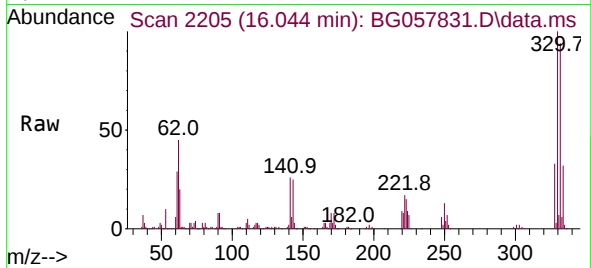
#42
2,4,6-Tribromophenol
Concen: 96.494 ng
RT: 16.044 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TW-06

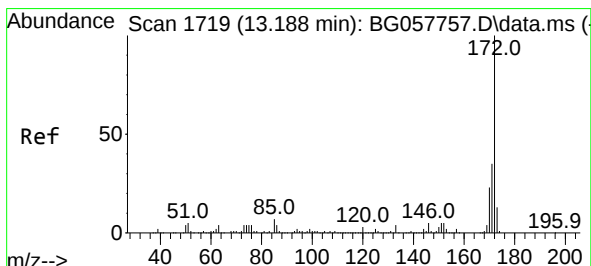
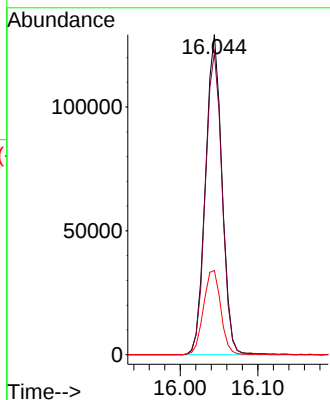
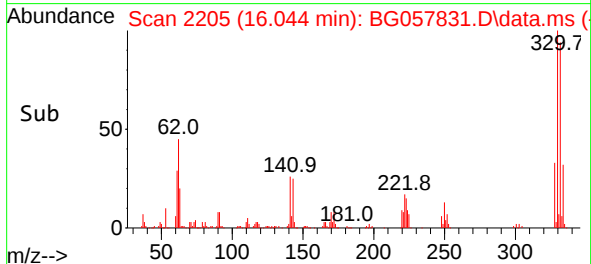


Tgt Ion:330 Resp: 19055
Ion Ratio Lower Upper
330 100
332 96.0 76.6 115.0
141 27.7 24.7 37.1

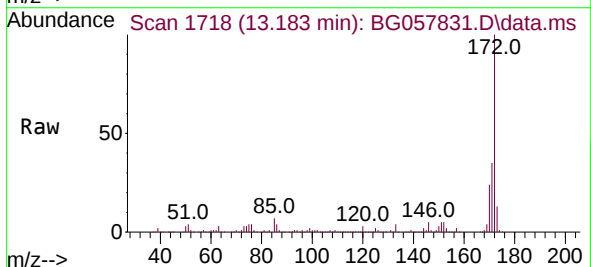
Manual Integrations

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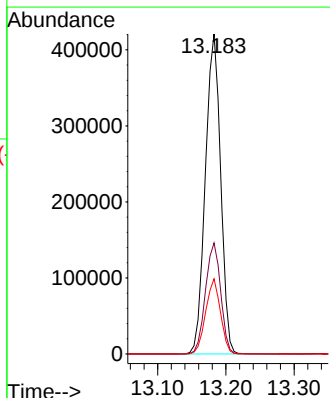
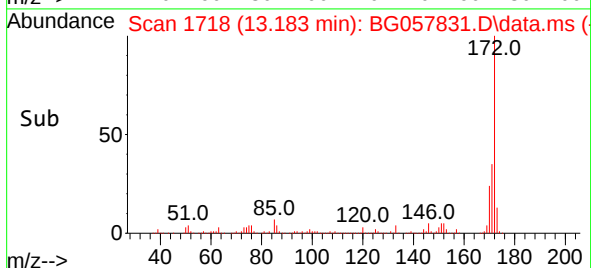
Reviewed By :Yogesh Patel 06/23/2023
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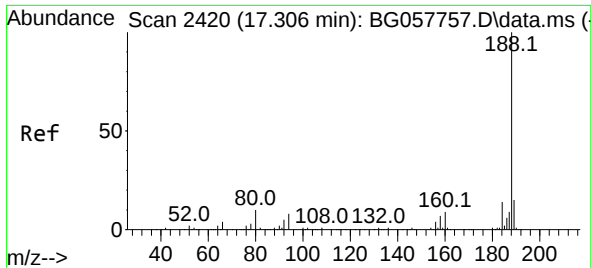


#45
2-Fluorobiphenyl
Concen: 70.108 ng
RT: 13.183 min Scan# 1718
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41



Tgt Ion:172 Resp: 655290
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.5 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.301 min Scan# 2419
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

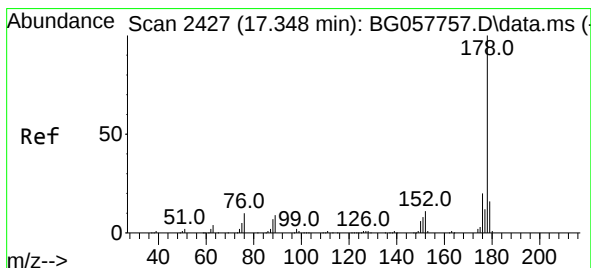
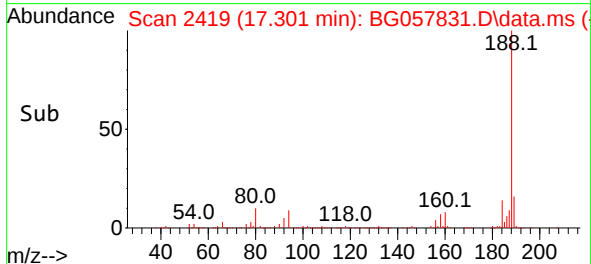
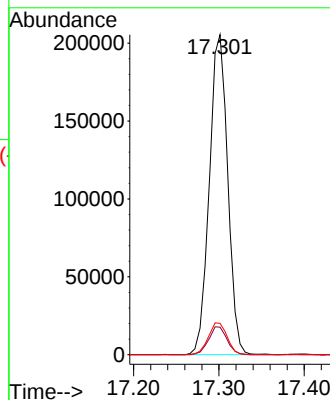
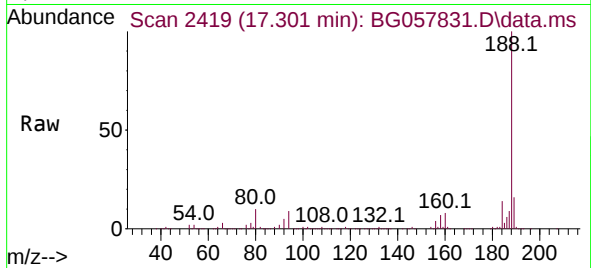
COMPOSIT-TW-06

Tgt Ion:188 Resp: 30716
Ion Ratio Lower Upper
188 100
94 8.6 6.6 9.8
80 9.8 7.6 11.4

Manual Integrations

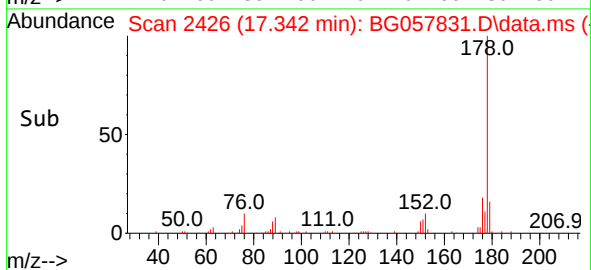
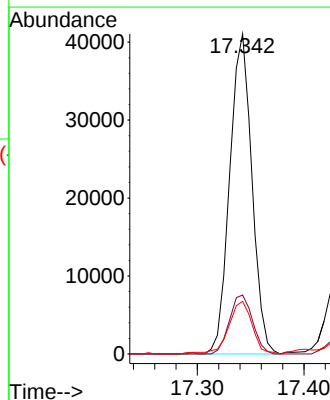
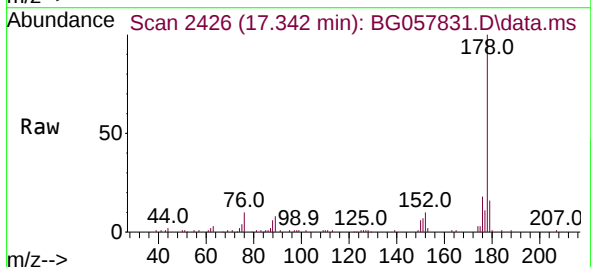
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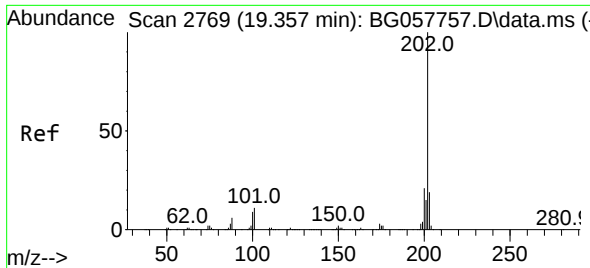
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#71
Phenanthrene
Concen: 3.988 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

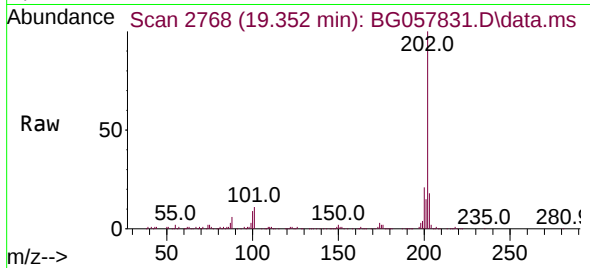
Tgt Ion:178 Resp: 59306
Ion Ratio Lower Upper
178 100
176 18.4 16.3 24.5
179 16.4 13.0 19.6





#75
Fluoranthene
Concen: 9.187 ng
RT: 19.352 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

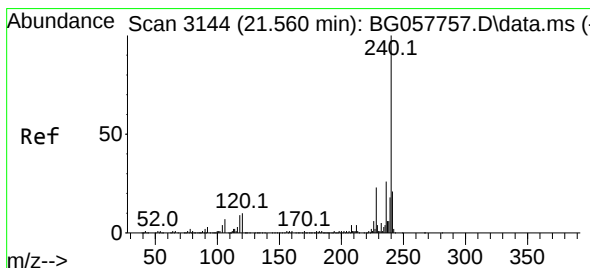
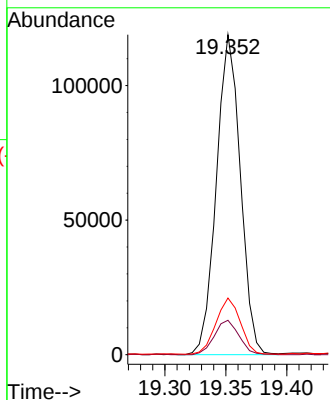
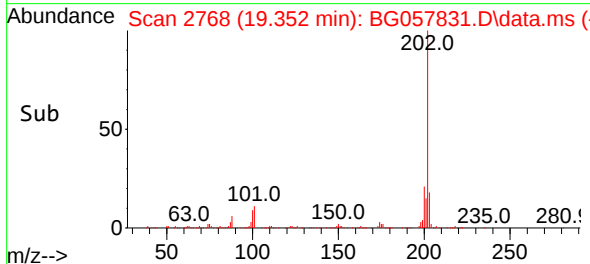
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06



Tgt Ion:202 Resp: 162780
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.3
203 17.7 0.0 38.7

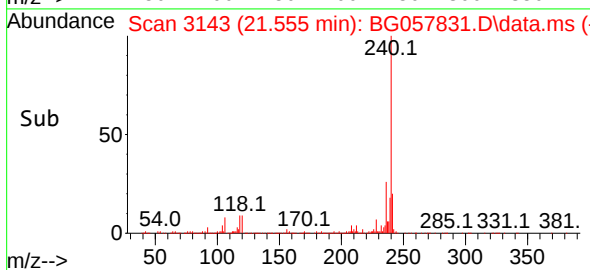
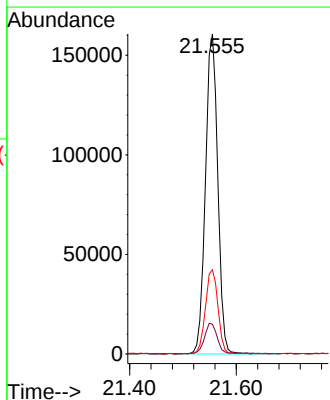
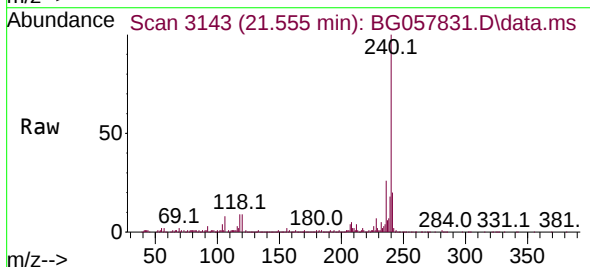
Manual Integrations
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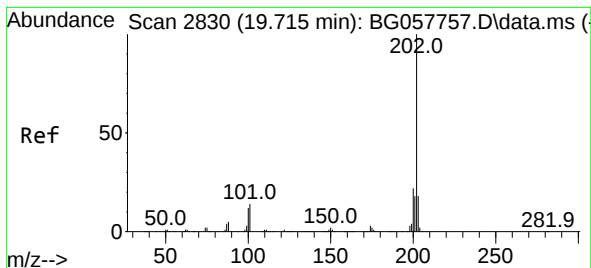
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.555 min Scan# 3143
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

Tgt Ion:240 Resp: 258081
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 26.3 20.6 30.8





#78

Pyrene

Concen: 8.421 ng

RT: 19.716 min Scan# 2830

Delta R.T. 0.001 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

Instrument :

BNA_G

ClientSampleId :

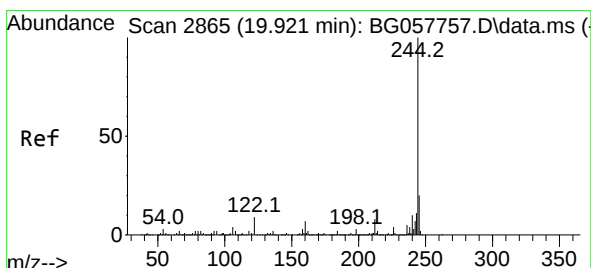
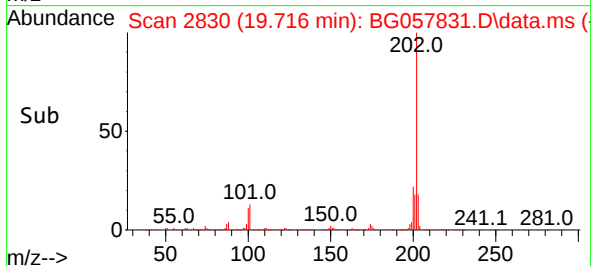
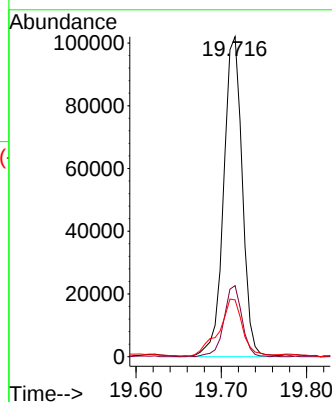
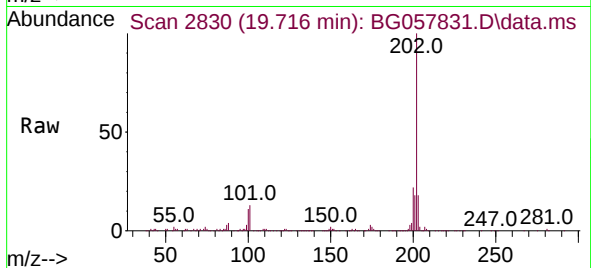
COMPOSIT-TW-06

Tgt Ion:202 Resp: 15504
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.4 26.0
 203 17.8 14.6 22.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#79

Terphenyl-d14

Concen: 67.962 ng

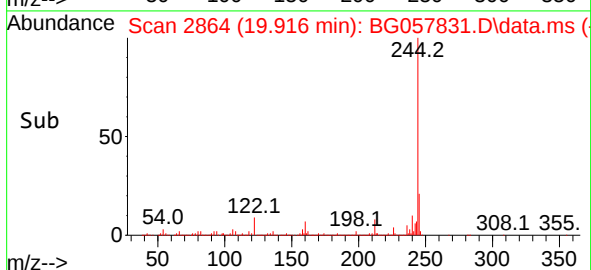
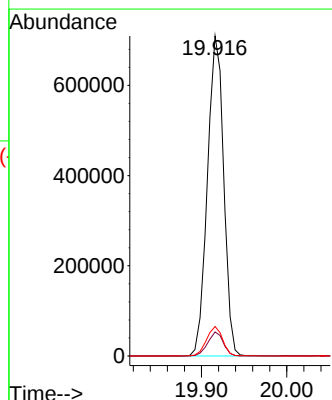
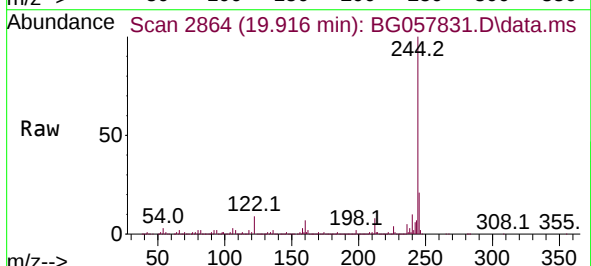
RT: 19.916 min Scan# 2864

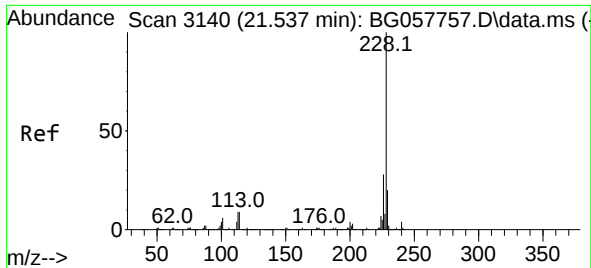
Delta R.T. -0.005 min

Lab File: BG057831.D

Acq: 23 Jun 2023 6:41

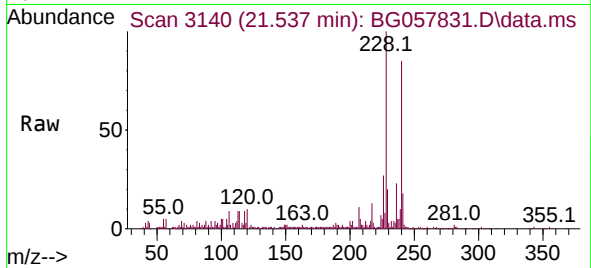
Tgt Ion:244 Resp: 940631
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 9.2 7.6 11.4





#81
Benzo(a)anthracene
Concen: 5.251 ng
RT: 21.537 min Scan# 3140
Delta R.T. 0.001 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

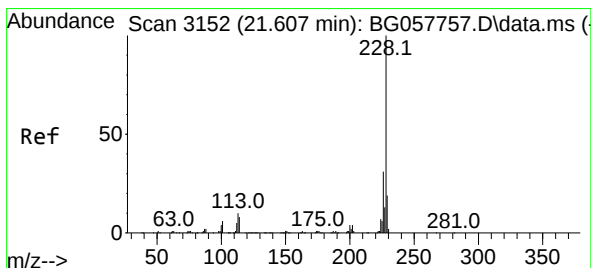
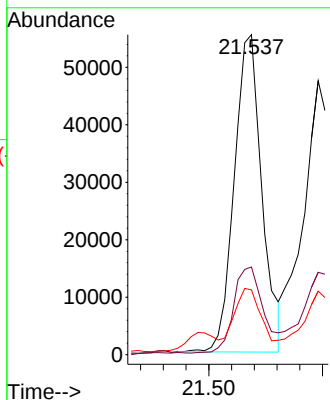
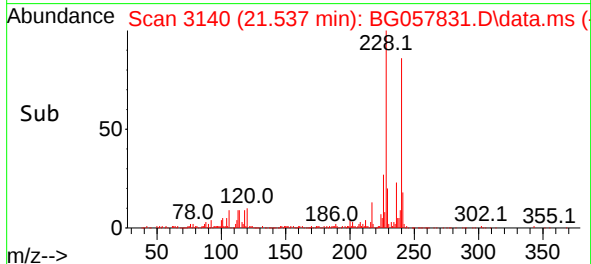
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06



Tgt Ion:228 Resp: 92974
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 20.2 16.3 24.5

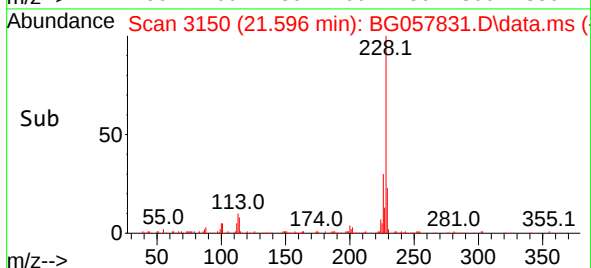
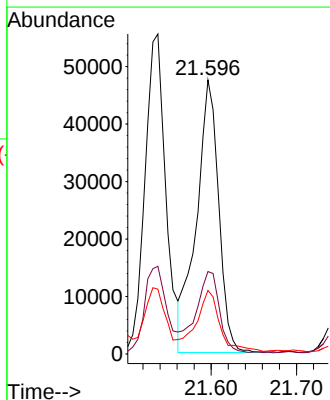
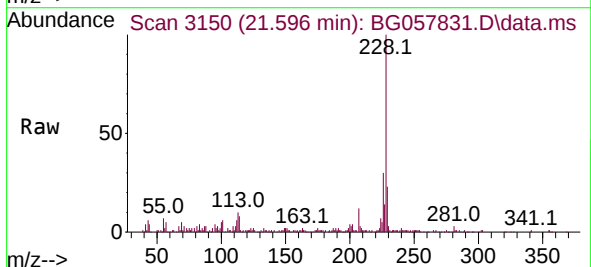
Manual Integrations
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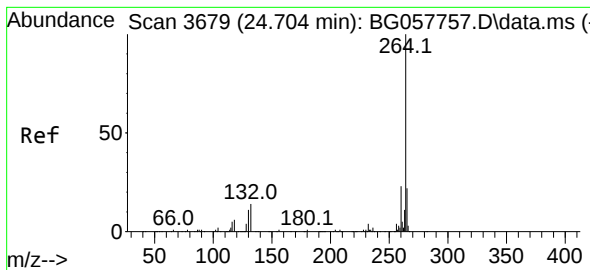
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#83
Chrysene
Concen: 5.092 ng
RT: 21.596 min Scan# 3150
Delta R.T. -0.011 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

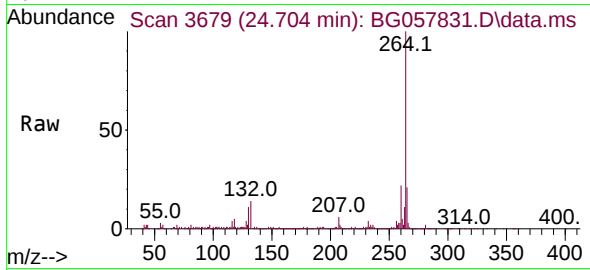
Tgt Ion:228 Resp: 86525
Ion Ratio Lower Upper
228 100
226 30.1 24.8 37.2
229 23.2 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.704 min Scan# 30
Delta R.T. 0.001 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

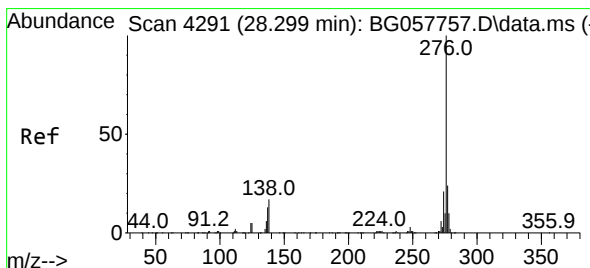
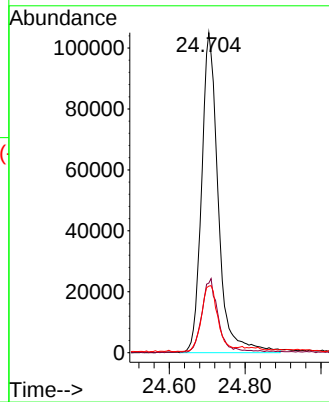
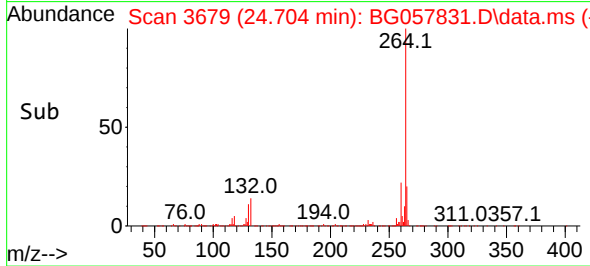
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06



Tgt Ion:264 Resp: 32038
Ion Ratio Lower Upper
264 100
260 21.7 18.5 27.7
265 20.8 17.4 26.2

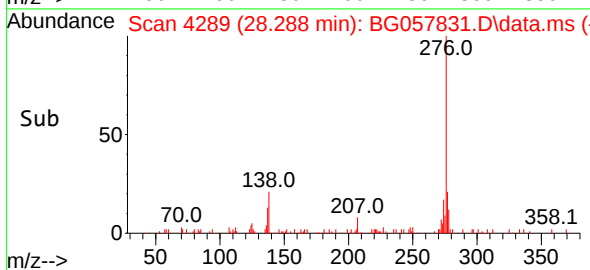
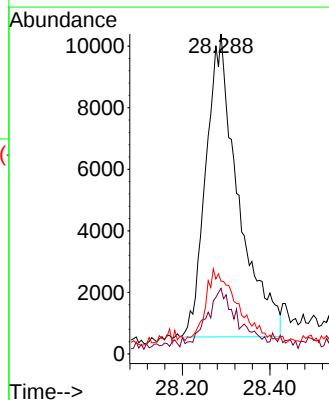
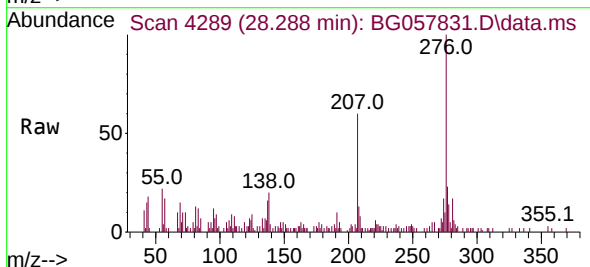
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APPROVED

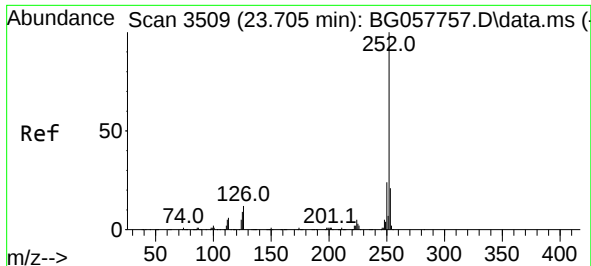
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.403 ng
RT: 28.288 min Scan# 4289
Delta R.T. -0.011 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

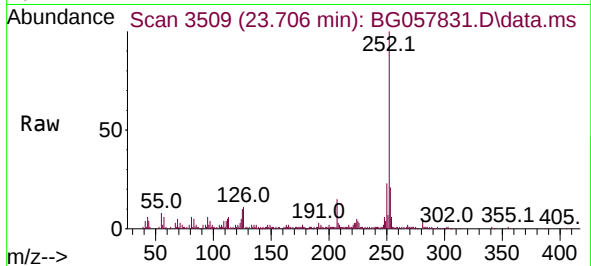
Tgt Ion:276 Resp: 50340
Ion Ratio Lower Upper
276 100
138 12.7 11.3 16.9
277 21.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 7.690 ng
RT: 23.706 min Scan# 3509
Delta R.T. 0.001 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

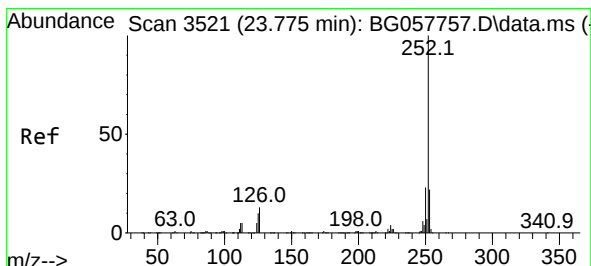
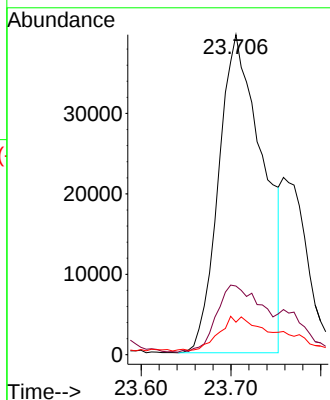
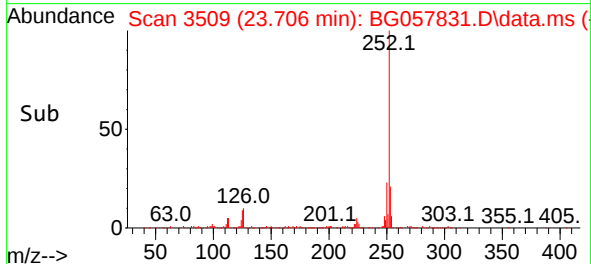
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06



Tgt Ion:252 Resp: 135019
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 10.2 7.4 11.0

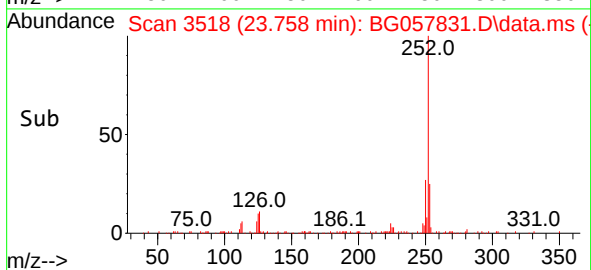
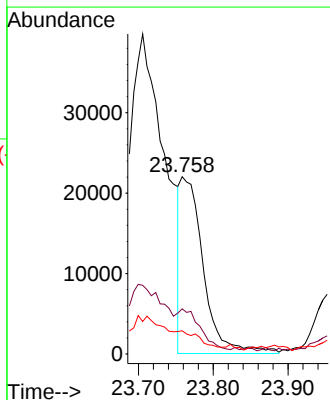
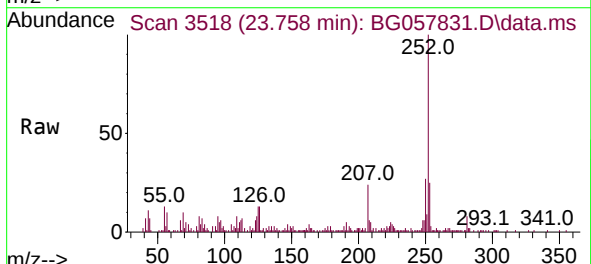
Manual Integrations
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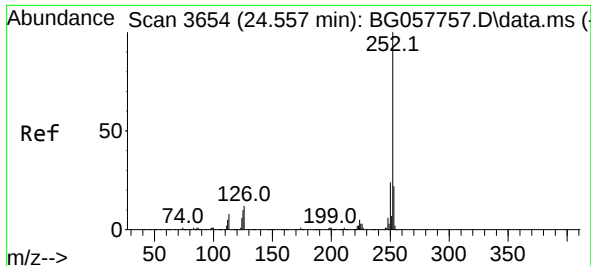
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#89
Benzo(k)fluoranthene
Concen: 2.597 ng m
RT: 23.758 min Scan# 3518
Delta R.T. -0.017 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

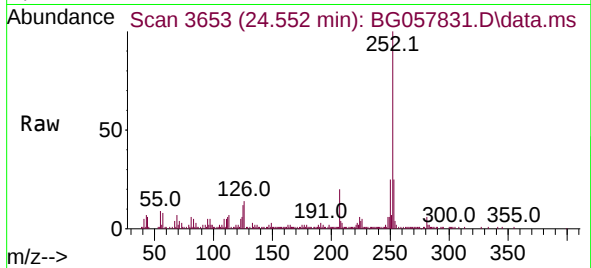
Tgt Ion:252 Resp: 46435
Ion Ratio Lower Upper
252 100
253 25.5 18.0 27.0
125 13.1 7.6 11.4#





#90
Benzo(a)pyrene
Concen: 5.257 ng
RT: 24.552 min Scan# 30
Delta R.T. -0.005 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41

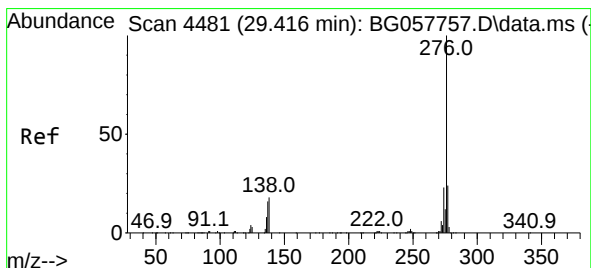
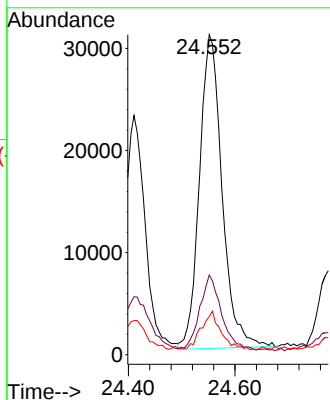
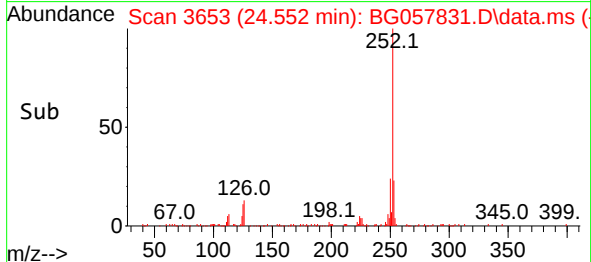
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-06



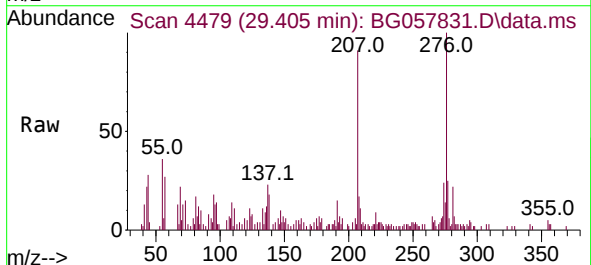
Tgt Ion:252 Resp: 90639
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 11.9 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#92
Benzo(g,h,i)perylene
Concen: 2.756 ng
RT: 29.405 min Scan# 4479
Delta R.T. -0.011 min
Lab File: BG057831.D
Acq: 23 Jun 2023 6:41



Tgt Ion:276 Resp: 47970
Ion Ratio Lower Upper
276 100
277 25.5 19.4 29.0
138 18.4 14.2 21.4

