

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
 Data File : BG057633.D
 Acq On : 31 May 2023 22:53
 Operator : CG/JU
 Sample : 02980-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-05302023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/01/2023
 Supervised By :mohammad ahmed 06/01/2023

Quant Time: Jun 01 03:58:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.338	152	33858	20.000	ng	0.00
21) Naphthalene-d8	11.175	136	135161	20.000	ng	# 0.00
39) Acenaphthene-d10	14.953	164	86128	20.000	ng	0.00
64) Phenanthrene-d10	17.696	188	185827	20.000	ng	0.00
76) Chrysene-d12	21.996	240	158815	20.000	ng	0.00
86) Perylene-d12	25.491	264	165201	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.859	112	29811	15.296	ng	0.00
7) Phenol-d6	7.492	99	42898	14.065	ng	0.00
23) Nitrobenzene-d5	9.519	82	26601	9.200	ng	0.00
42) 2,4,6-Tribromophenol	16.439	330	16741	12.141	ng	0.00
45) 2-Fluorobiphenyl	13.578	172	65342	10.903	ng	0.00
79) Terphenyl-d14	20.257	244	97971	10.686	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.737	178	33837	3.558	ng	99
75) Fluoranthene	19.729	202	51694	4.187	ng	99
78) Pyrene	20.087	202	50413	4.458	ng	98
81) Benzo(a)anthracene	21.978	228	25329	2.299	ng	94
83) Chrysene	22.043	228	26397m	2.535	ng	
88) Benzo(b)fluoranthene	24.369	252	35505	3.492	ng	# 84
90) Benzo(a)pyrene	25.321	252	22083	2.227	ng	# 78

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

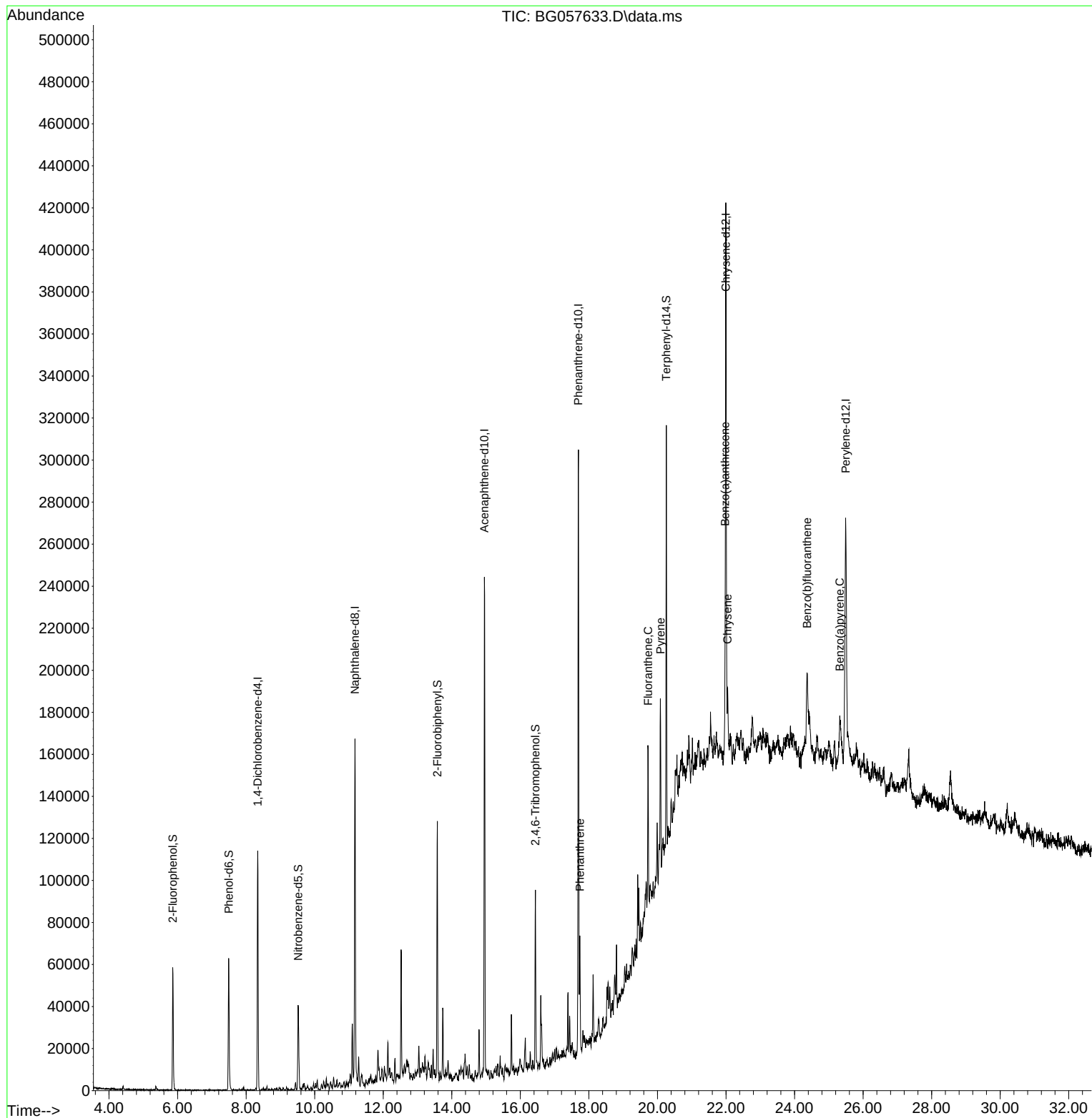
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
Data File : BG057633.D
Acq On : 31 May 2023 22:53
Operator : CG/JU
Sample : 02980-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

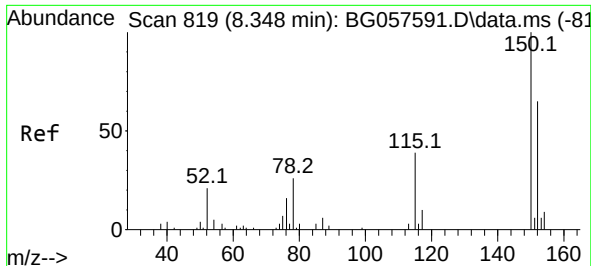
Instrument :
BNA_G
ClientSampleId :
EO-01-05302023

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Supervised By :mohammad ahmed 06/01/2023

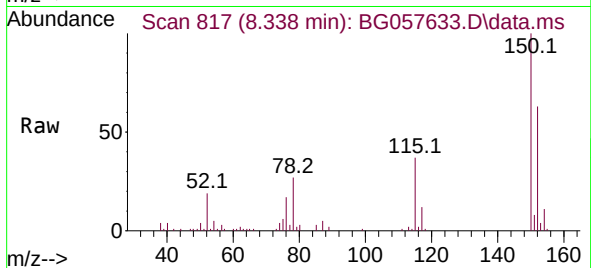
Quant Time: Jun 01 03:58:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 03:51:58 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.338 min Scan# 819
Delta R.T. 0.004 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

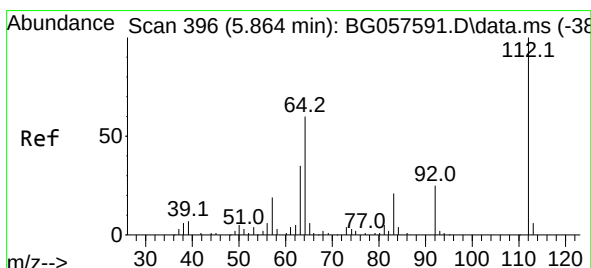
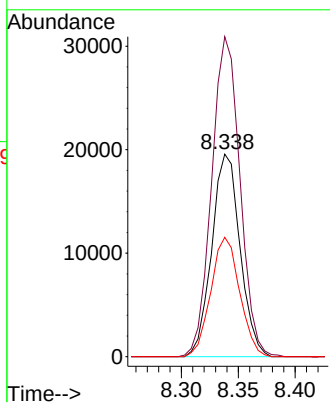
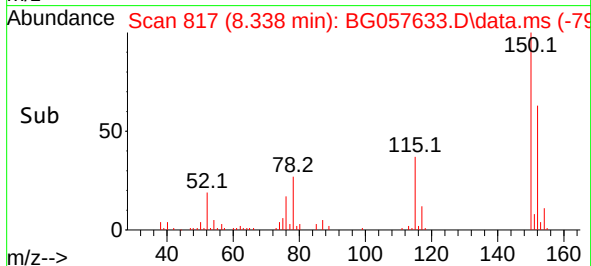
Instrument :
BNA_G
ClientSampleId :
EO-01-05302023



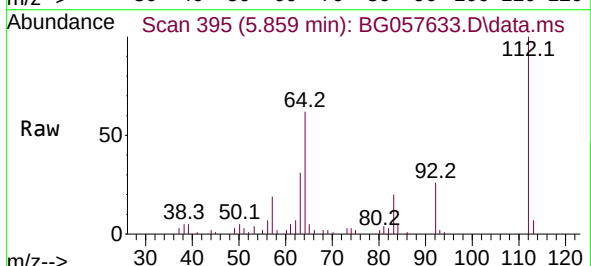
Tgt Ion:152 Resp: 3385
Ion Ratio Lower Upper
152 100
150 158.0 123.0 184.4
115 58.9 47.4 71.2

Manual Integrations
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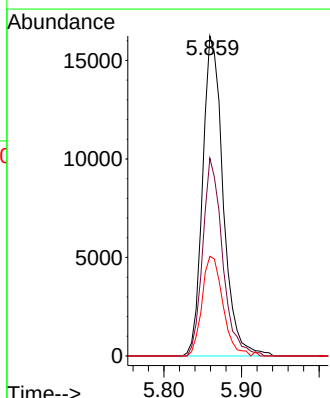
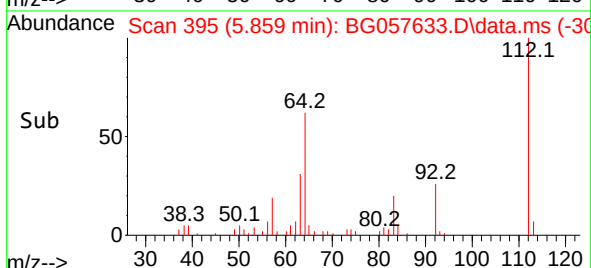
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

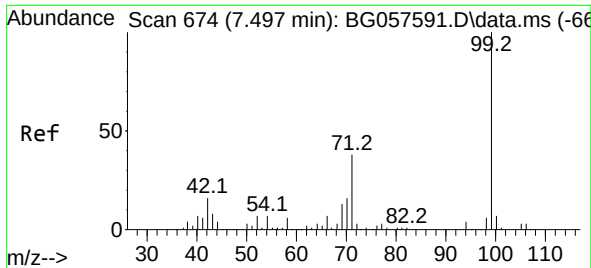


#5
2-Fluorophenol
Concen: 15.296 ng
RT: 5.859 min Scan# 395
Delta R.T. 0.004 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53



Tgt Ion:112 Resp: 29811
Ion Ratio Lower Upper
112 100
64 61.8 47.8 71.6
63 31.2 27.8 41.8





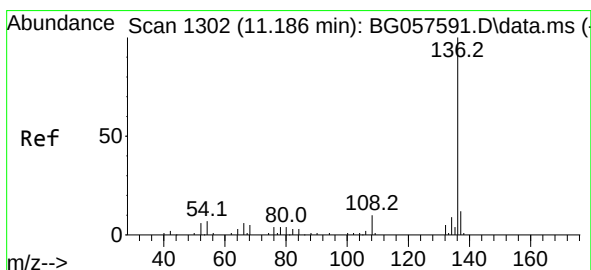
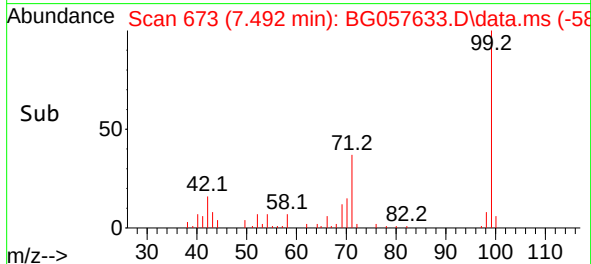
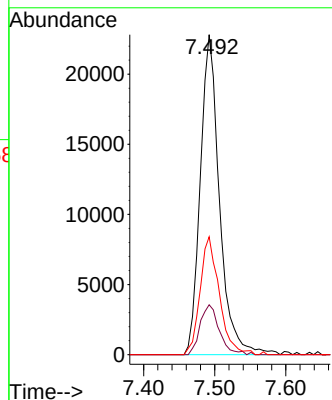
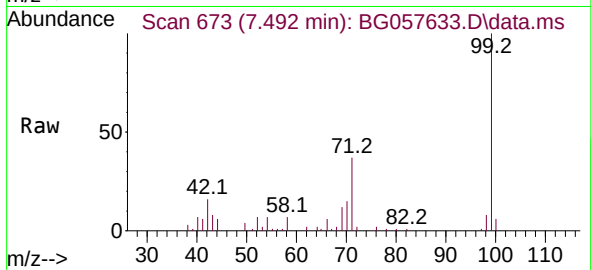
#7
Phenol-d6
Concen: 14.065 ng
RT: 7.492 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Instrument :
BNA_G
ClientSampleId :
EO-01-05302023

Tgt Ion: 99 Resp: 42898
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 36.9 30.3 45.5

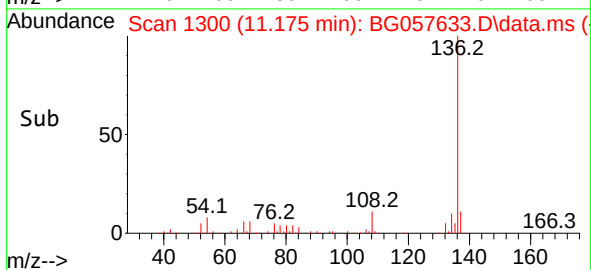
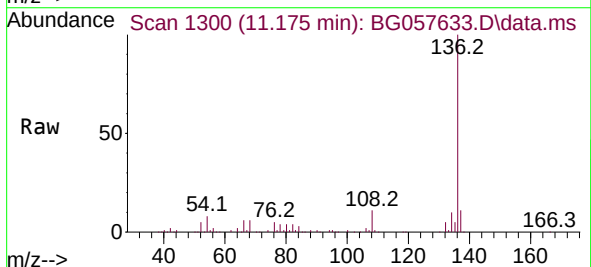
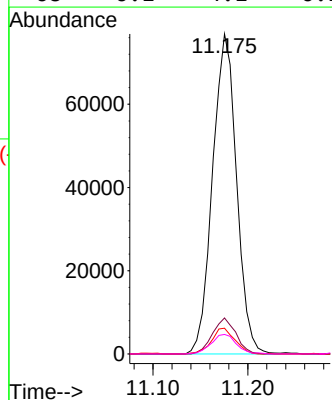
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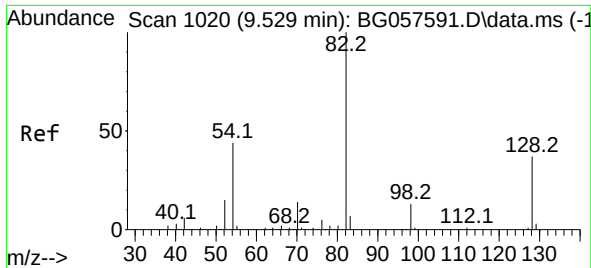
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 1300
Delta R.T. -0.002 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Tgt Ion:136 Resp: 135161
Ion Ratio Lower Upper
136 100
137 11.2 9.8 14.8
54 8.0 5.8 8.6
68 6.1 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 9.200 ng
RT: 9.519 min Scan# 1018
Delta R.T. -0.002 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Instrument :

BNA_G

ClientSampleId :

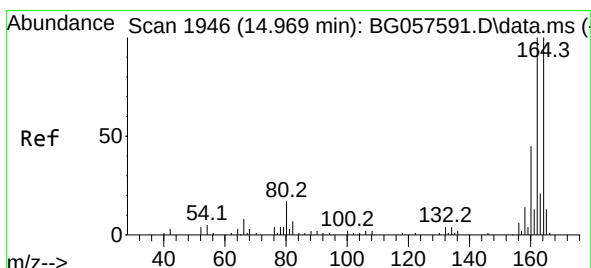
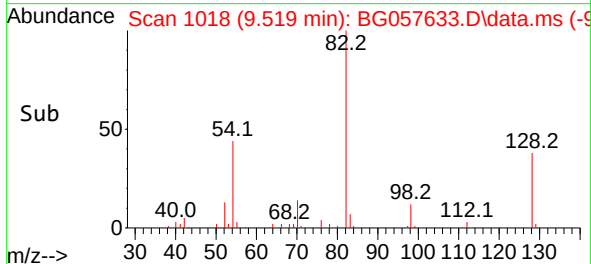
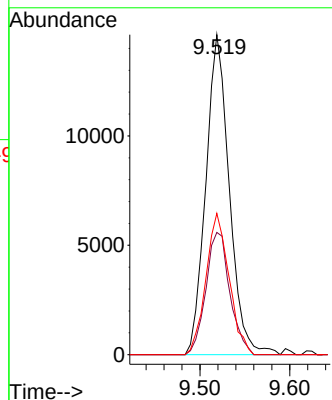
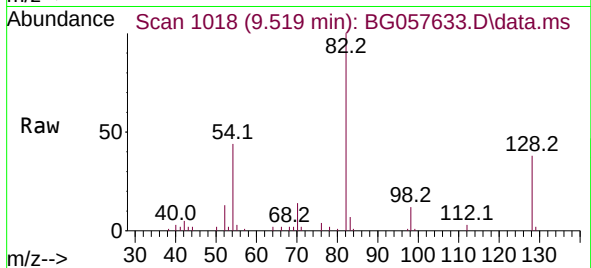
EO-01-05302023

Tgt Ion: 82 Resp: 2660
Ion Ratio Lower Upper
82 100
128 38.2 30.0 45.0
54 44.2 35.2 52.8

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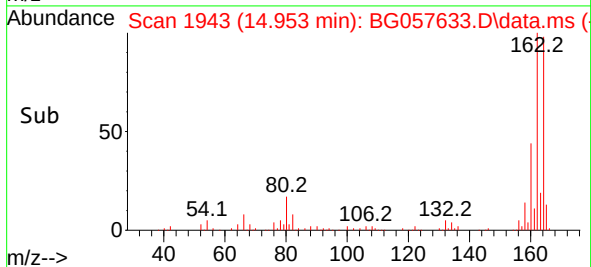
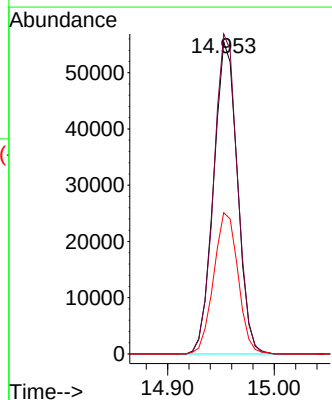
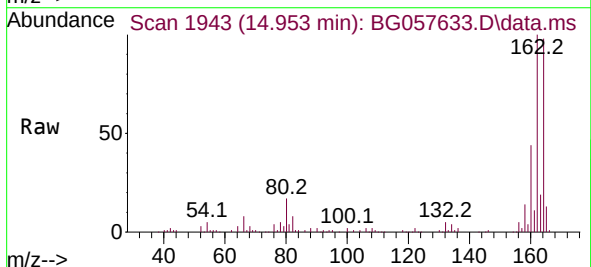
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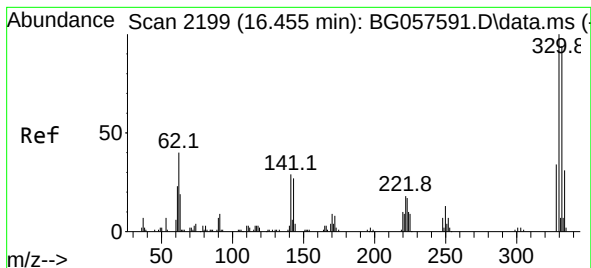
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.953 min Scan# 1943
Delta R.T. -0.007 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Tgt Ion:164 Resp: 86128
Ion Ratio Lower Upper
164 100
162 102.5 80.1 120.1
160 45.2 35.9 53.9





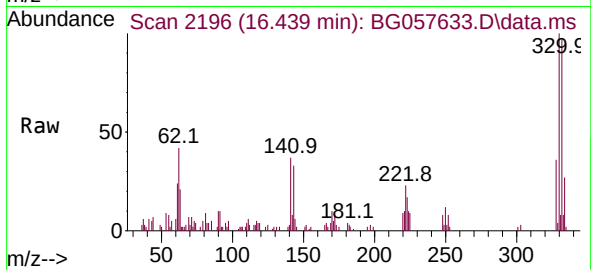
#42
2,4,6-Tribromophenol
Concen: 12.141 ng
RT: 16.439 min Scan# 2199
Delta R.T. -0.007 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Instrument :

BNA_G

ClientSampleId :

EO-01-05302023



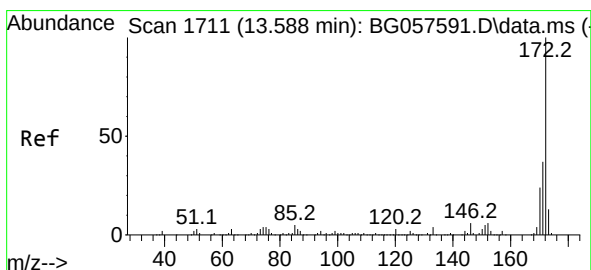
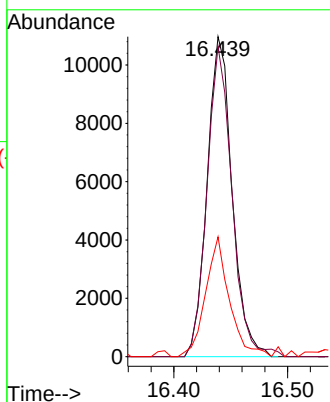
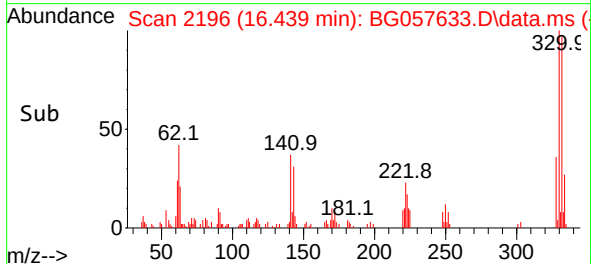
Tgt Ion:330 Resp: 1674
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 35.7 24.6 37.0

Manual Integrations

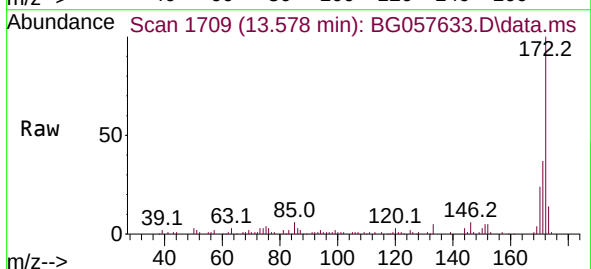
APPROVED

Reviewed By :Yogesh Patel 06/01/2023

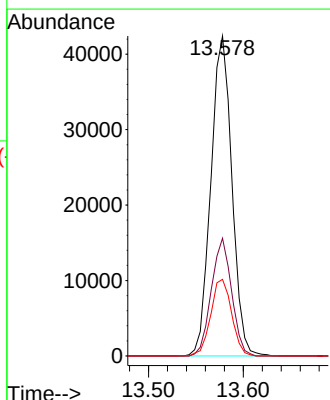
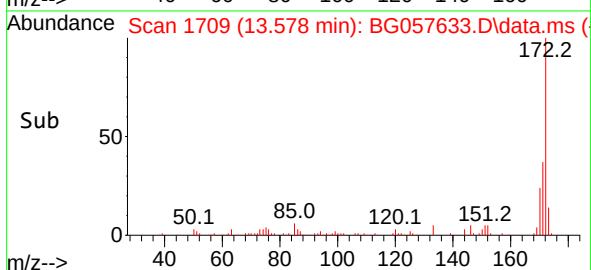
Supervised By :mohammad ahmed 06/01/2023

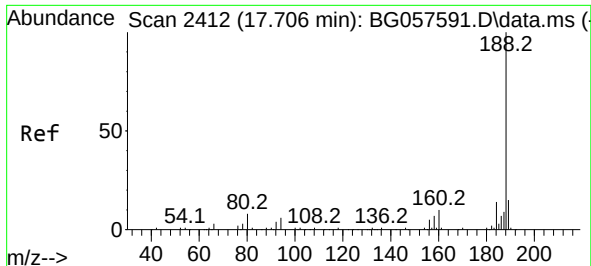


#45
2-Fluorobiphenyl
Concen: 10.903 ng
RT: 13.578 min Scan# 1709
Delta R.T. -0.002 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53



Tgt Ion:172 Resp: 65342
Ion Ratio Lower Upper
172 100
171 36.8 29.2 43.8
170 23.9 19.0 28.4





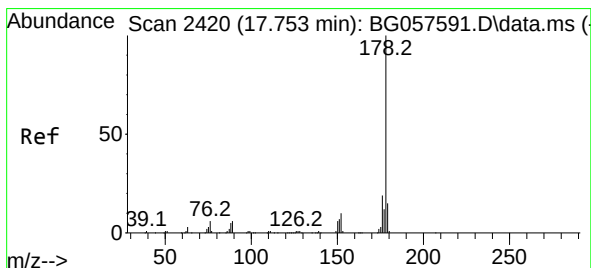
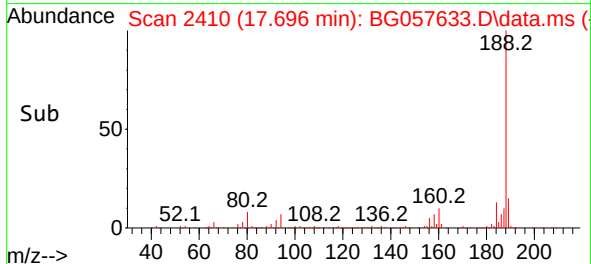
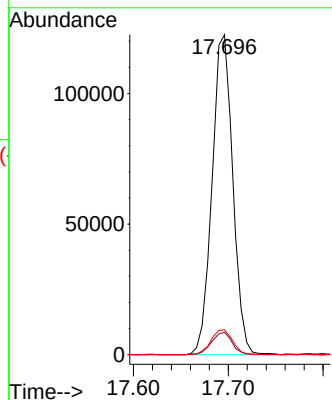
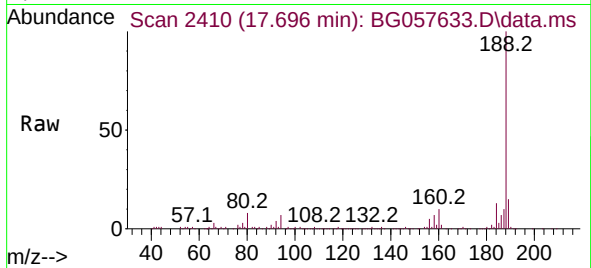
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.696 min Scan# 2410
Delta R.T. -0.002 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Instrument :
BNA_G
ClientSampleId :
EO-01-05302023

Tgt Ion:188 Resp: 18582
Ion Ratio Lower Upper
188 100
94 7.0 5.2 7.8
80 7.8 6.7 10.1

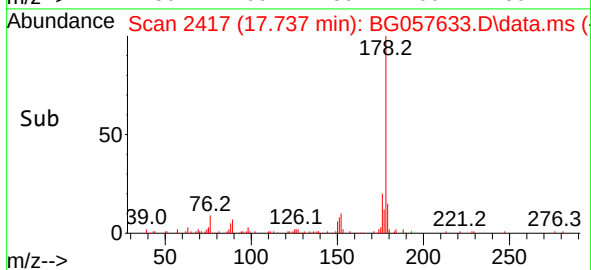
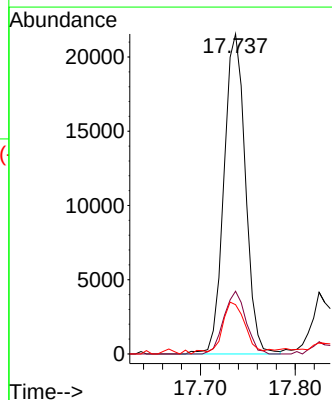
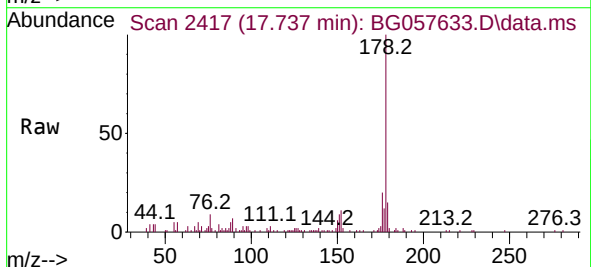
Manual Integrations
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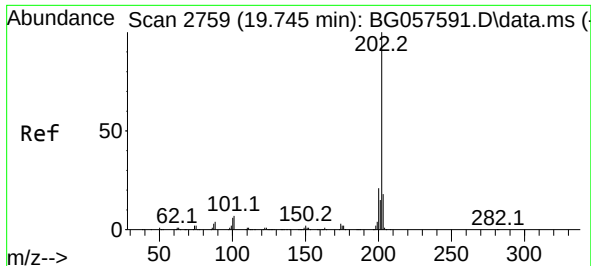
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#71
Phenanthrene
Concen: 3.558 ng
RT: 17.737 min Scan# 2417
Delta R.T. -0.007 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

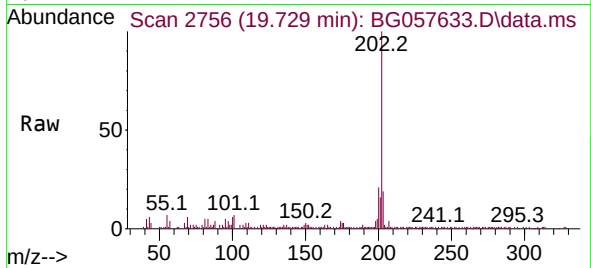
Tgt Ion:178 Resp: 33837
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.4 12.0 18.0





#75
Fluoranthene
Concen: 4.187 ng
RT: 19.729 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

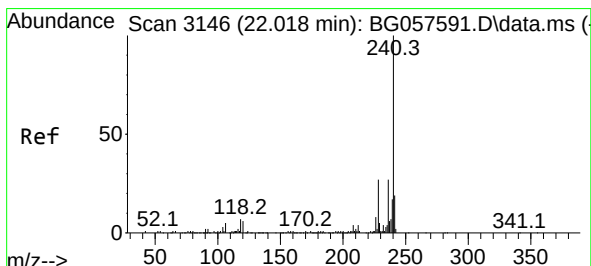
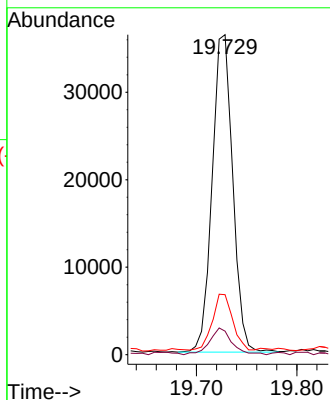
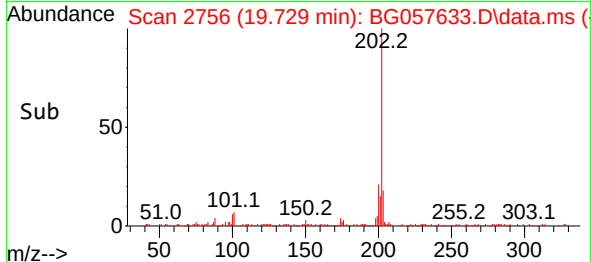
Instrument :
BNA_G
ClientSampleId :
EO-01-05302023



Tgt Ion:202 Resp: 51694
Ion Ratio Lower Upper
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101 7.3 0.0 27.5
203 18.7 0.0 38.4

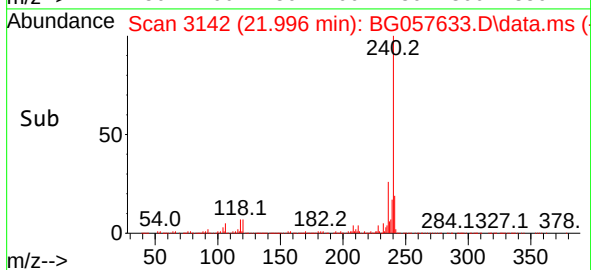
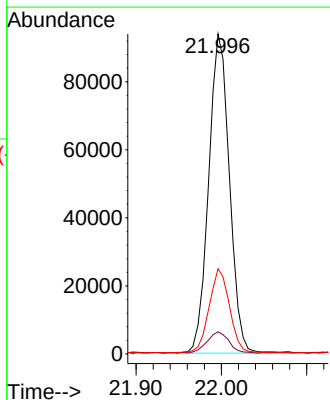
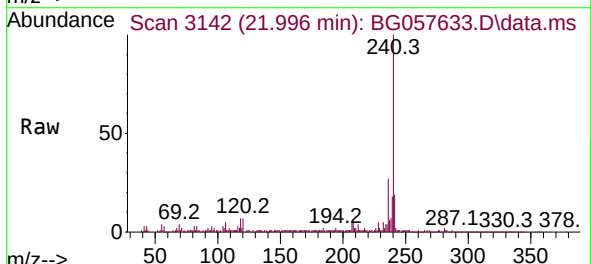
Manual Integrations
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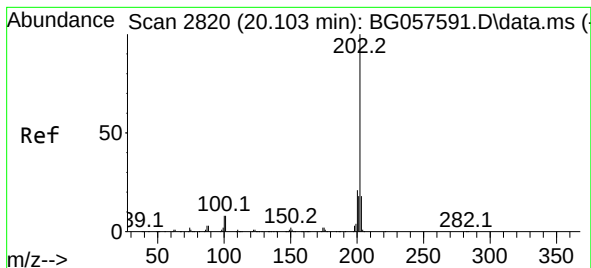
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.996 min Scan# 3142
Delta R.T. -0.007 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Tgt Ion:240 Resp: 158815
Ion Ratio Lower Upper
240 100
120 7.0 5.2 7.8
236 26.6 21.4 32.0





#78

Pyrene

Concen: 4.458 ng

RT: 20.087 min Scan# 2

Delta R.T. -0.007 min

Lab File: BG057633.D

Acq: 31 May 2023 22:53

Instrument :

BNA_G

ClientSampleId :

EO-01-05302023

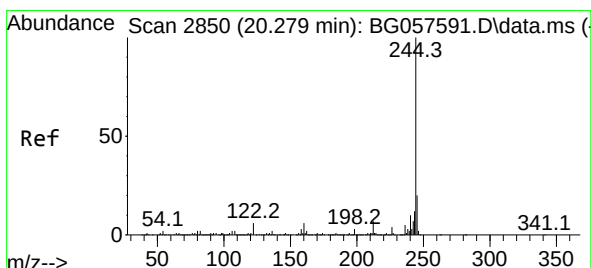
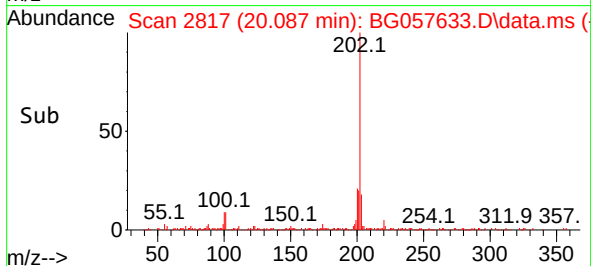
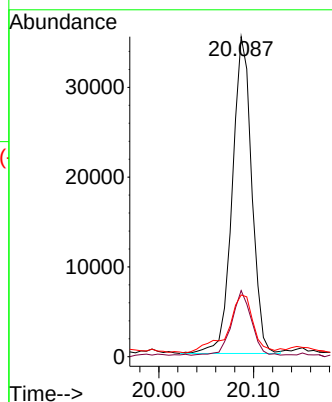
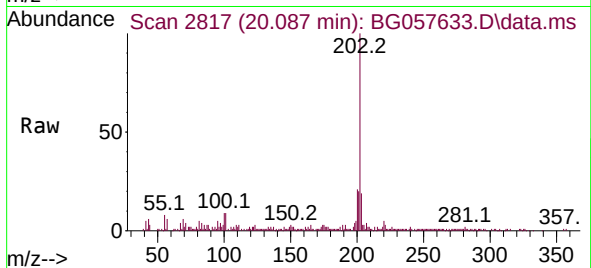
Tgt Ion:	202	Resp:	5041
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.8	25.2
203	19.3	14.5	21.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#79

Terphenyl-d14

Concen: 10.686 ng

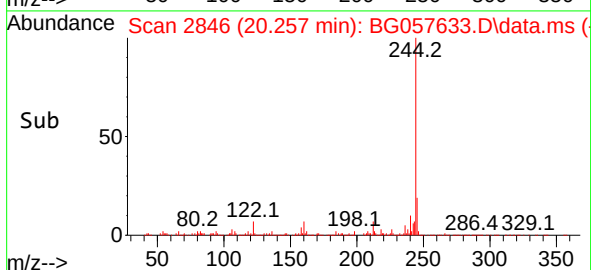
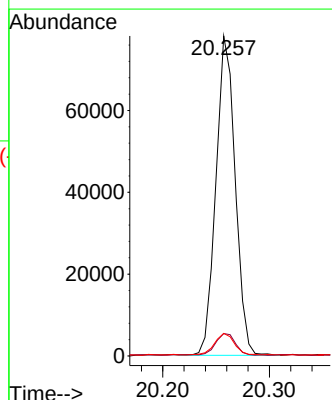
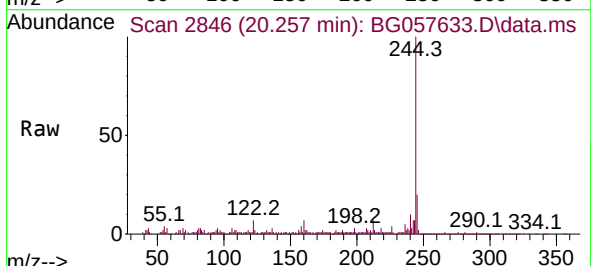
RT: 20.257 min Scan# 2846

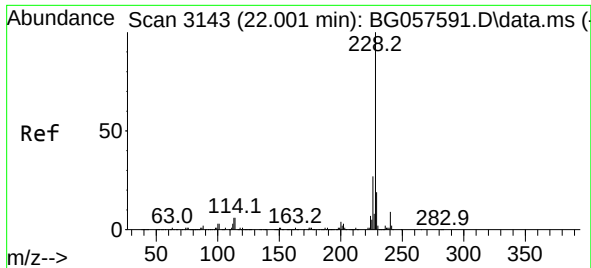
Delta R.T. -0.007 min

Lab File: BG057633.D

Acq: 31 May 2023 22:53

Tgt Ion:	244	Resp:	97971
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.6	8.4
122	7.0	4.8	7.2





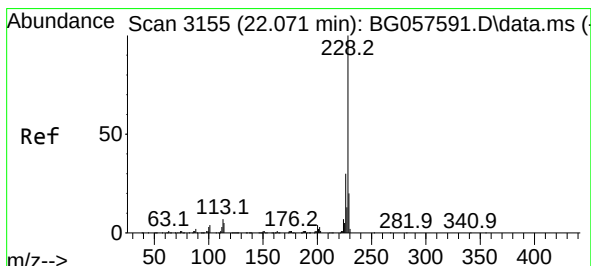
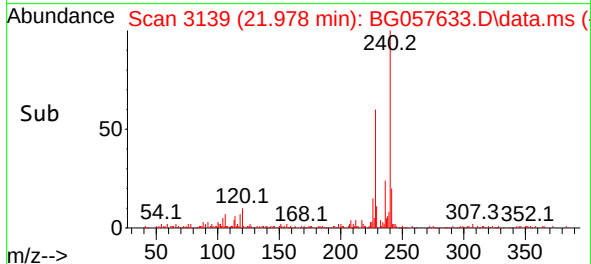
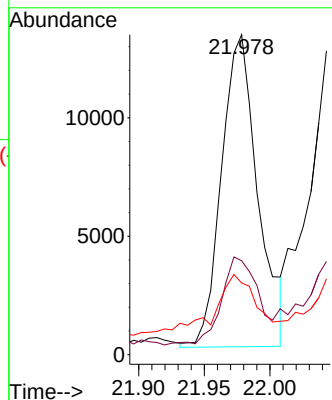
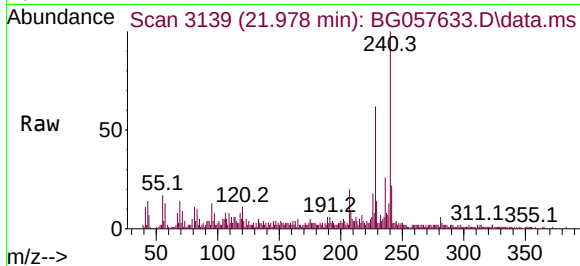
#81
Benzo(a)anthracene
Concen: 2.299 ng
RT: 21.978 min Scan# 3143
Delta R.T. -0.002 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Instrument :
BNA_G
ClientSampleId :
EO-01-05302023

Tgt Ion:228 Resp: 25329
Ion Ratio Lower Upper
228 100
226 29.4 21.4 32.0
229 22.4 15.4 23.2

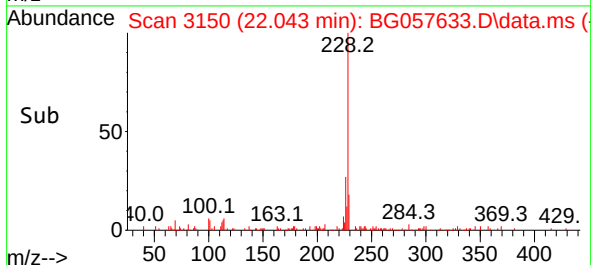
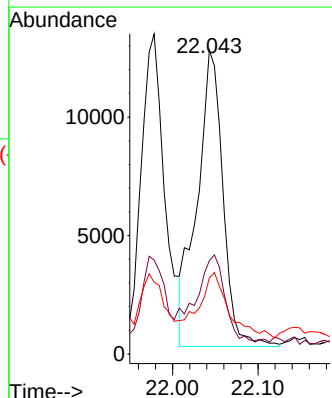
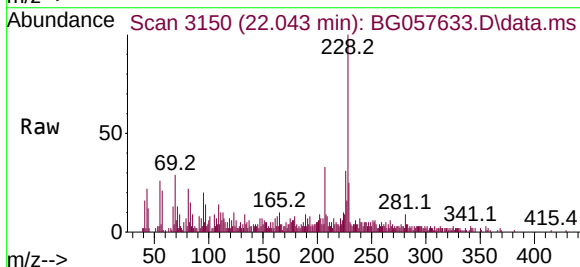
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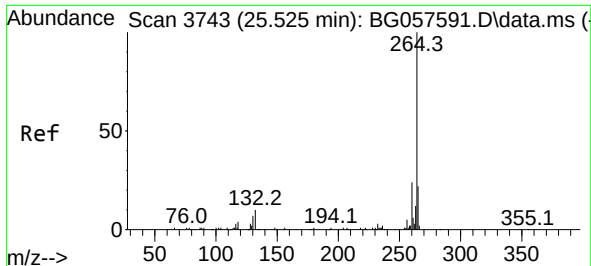
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#83
Chrysene
Concen: 2.535 ng m
RT: 22.043 min Scan# 3150
Delta R.T. -0.013 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

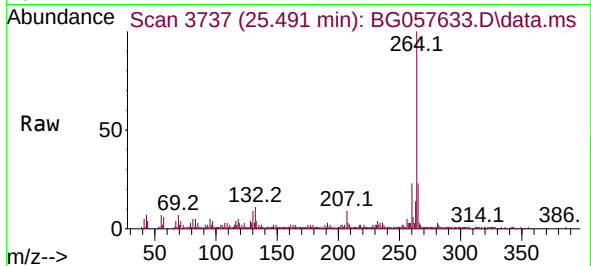
Tgt Ion:228 Resp: 26397
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 25.0 16.0 24.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.491 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

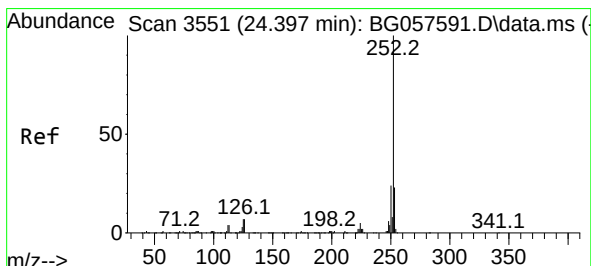
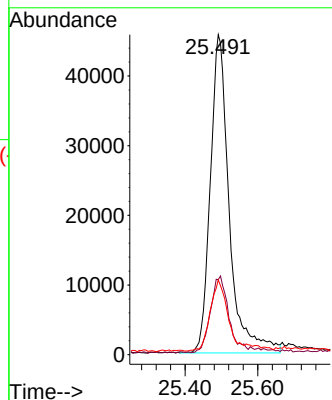
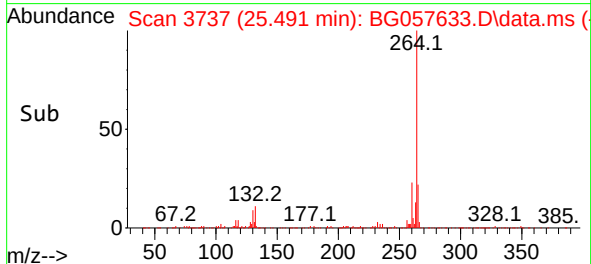
Instrument :
BNA_G
ClientSampleId :
EO-01-05302023



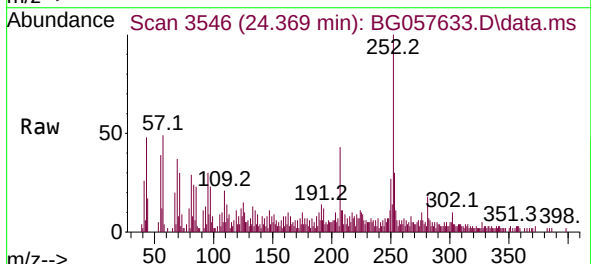
Tgt Ion:264 Resp: 16520
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 23.4 17.7 26.5

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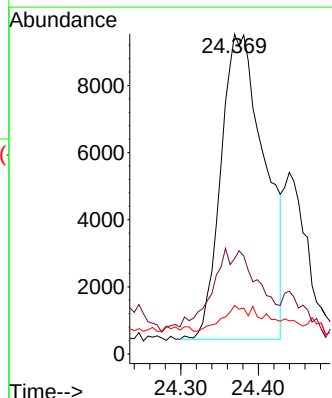
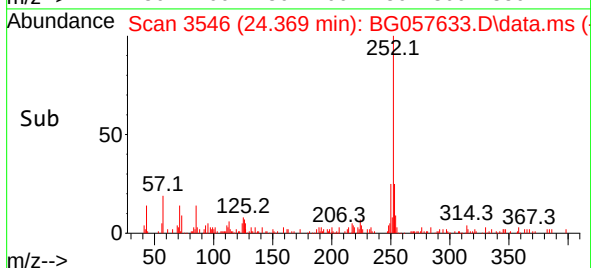
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

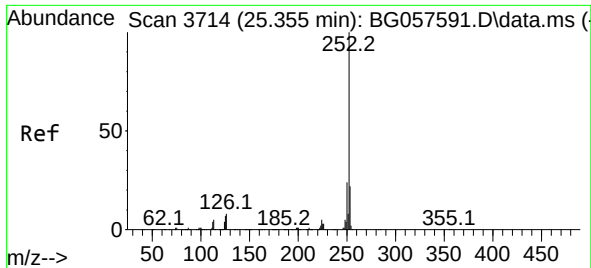


#88
Benzo(b)fluoranthene
Concen: 3.492 ng
RT: 24.369 min Scan# 3546
Delta R.T. -0.007 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53



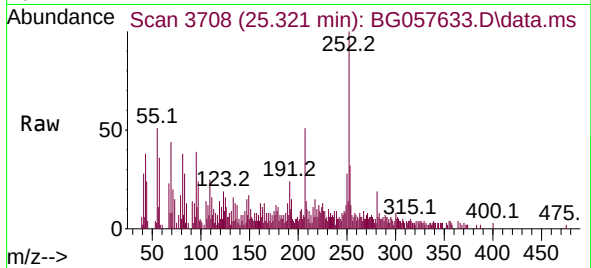
Tgt Ion:252 Resp: 35505
Ion Ratio Lower Upper
252 100
253 29.8 18.4 27.6#
125 15.2 5.2 7.8#





#90
 Benzo(a)pyrene
 Concen: 2.227 ng
 RT: 25.321 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: BG057633.D
 Acq: 31 May 2023 22:53

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-05302023



Tgt Ion:252 Resp: 2208
 Ion Ratio Lower Upper
 252 100
 253 31.8 17.7 26.5
 125 16.4 5.3 7.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/01/2023
 Supervised By :mohammad ahmed 06/01/2023

