

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059878.D
 Acq On : 25 Nov 2023 4:29
 Operator : MA/JU
 Sample : 05420-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-12018

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2023
 Supervised By :mohammad ahmed 11/28/2023

Quant Time: Nov 25 05:04:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:11:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.317	152	23895	20.000	ng	# 0.00
21) Naphthalene-d8	11.166	136	103371	20.000	ng	# 0.00
39) Acenaphthene-d10	14.950	164	75614	20.000	ng	# 0.00
64) Phenanthrene-d10	17.694	188	165548	20.000	ng	-0.02
76) Chrysene-d12	22.018	240	119367	20.000	ng	#-0.02
86) Perylene-d12	25.591	264	139820	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.808	112	136428	96.098	ng	0.00
7) Phenol-d6	7.441	99	181486	86.265	ng	0.00
23) Nitrobenzene-d5	9.515	82	146922	54.283	ng	0.00
42) 2,4,6-Tribromophenol	16.437	330	80325	93.626	ng	0.00
45) 2-Fluorobiphenyl	13.569	172	287442	51.169	ng	0.00
79) Terphenyl-d14	20.273	244	417792	51.670	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.741	178	29764	3.536	ng	# 90
75) Fluoranthene	19.733	202	56784	5.626	ng	98
78) Pyrene	20.097	202	42621m	5.248	ng	
81) Benzo(a)anthracene	21.995	228	29062	3.558	ng	# 82
83) Chrysene	22.071	228	21957	2.933	ng	# 74
84) Bis(2-ethylhexyl)phtha...	21.825	149	107745	23.144	ng	99
88) Benzo(b)fluoranthene	24.421	252	36859	4.810	ng	# 97
90) Benzo(a)pyrene	25.403	252	24639	3.013	ng	# 98

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

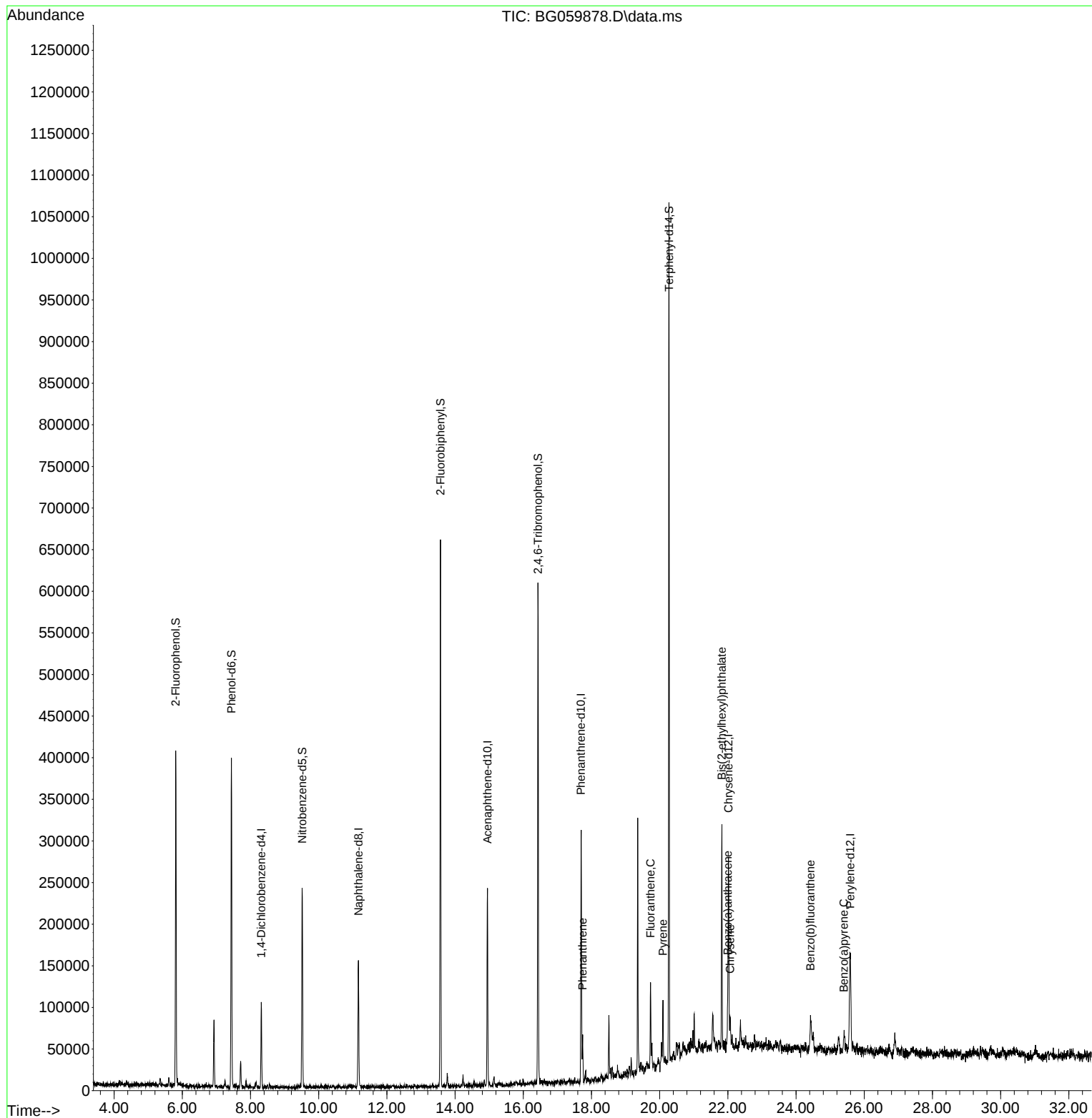
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
Data File : BG059878.D
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Sample : 05420-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

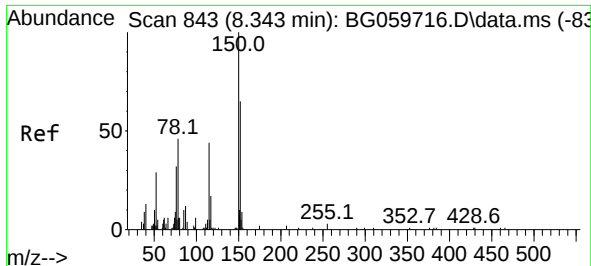
Instrument :
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Quant Time: Nov 25 05:04:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 24 15:11:07 2023
Response via : Initial Calibration





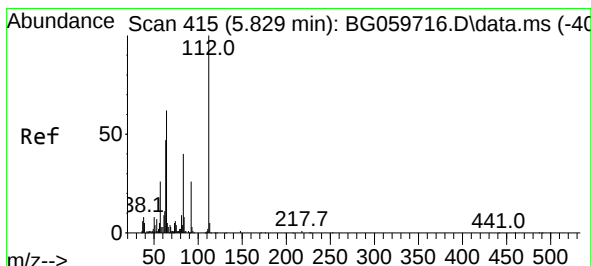
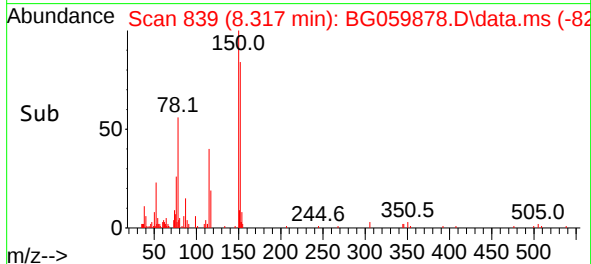
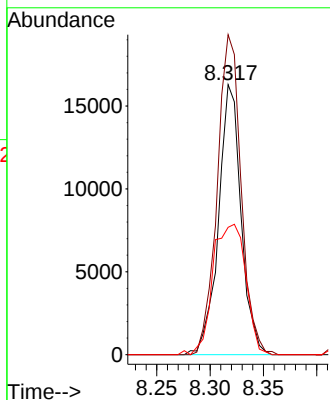
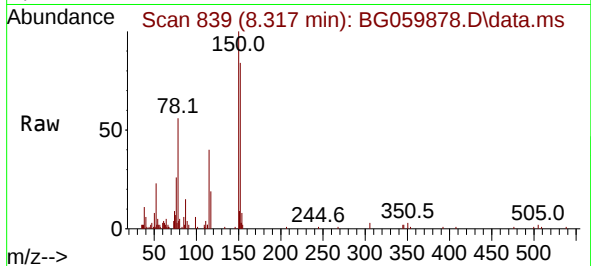
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.317 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Instrument :
BNA_G
ClientSampleId :
72-12018

Tgt Ion:152 Resp: 2389
Ion Ratio Lower Upper
152 100
150 118.5 122.2 183.4
115 47.2 54.2 81.4

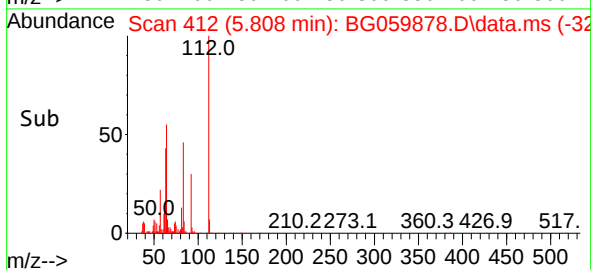
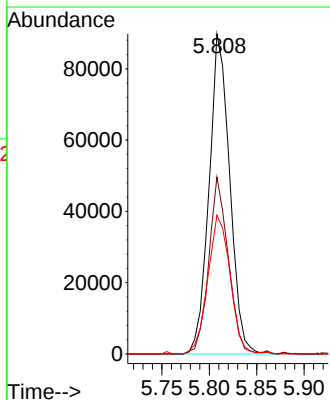
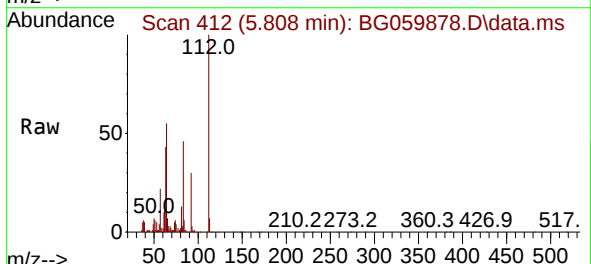
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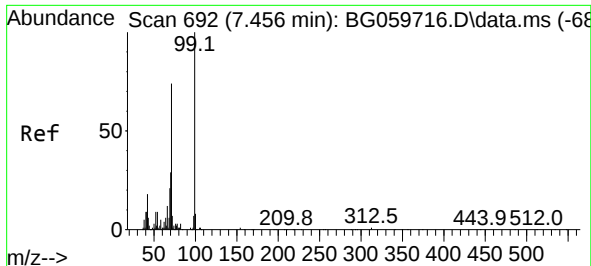
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#5
2-Fluorophenol
Concen: 96.098 ng
RT: 5.808 min Scan# 412
Delta R.T. -0.004 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion:112 Resp: 136428
Ion Ratio Lower Upper
112 100
64 55.2 49.5 74.3
63 43.3 37.4 56.2





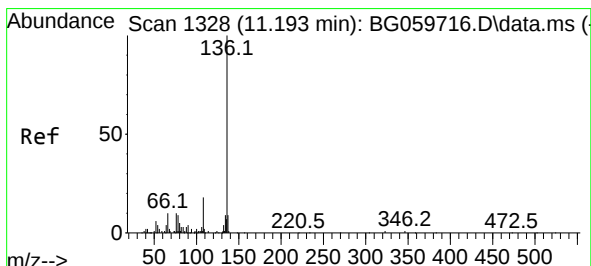
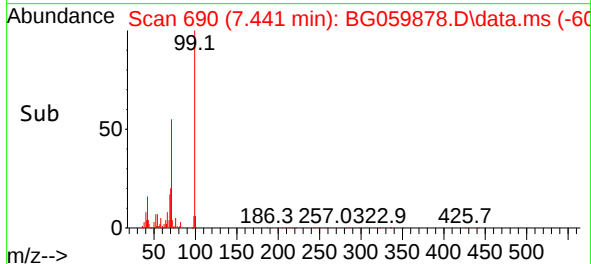
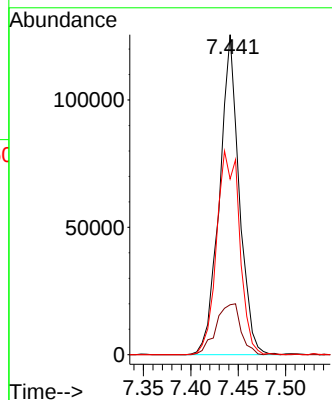
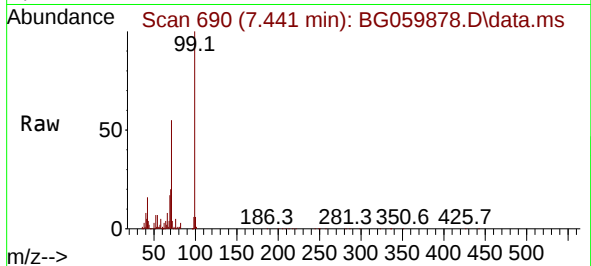
#7
Phenol-d6
Concen: 86.265 ng
RT: 7.441 min Scan# 692
Delta R.T. -0.004 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Instrument :
BNA_G
ClientSampleId :
72-12018

Tgt Ion: 99 Resp: 181480
Ion Ratio Lower Upper
99 100
42 15.6 14.3 21.5
71 54.9 59.3 88.9

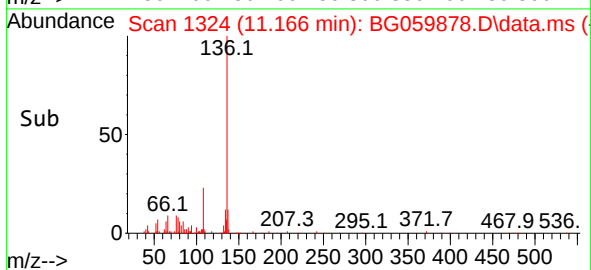
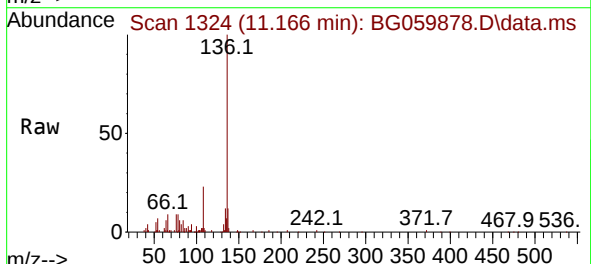
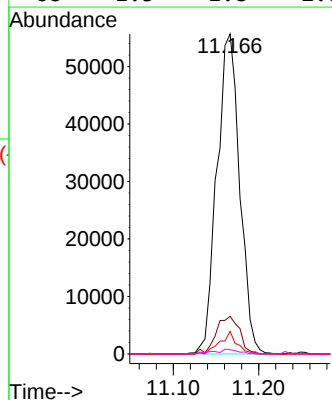
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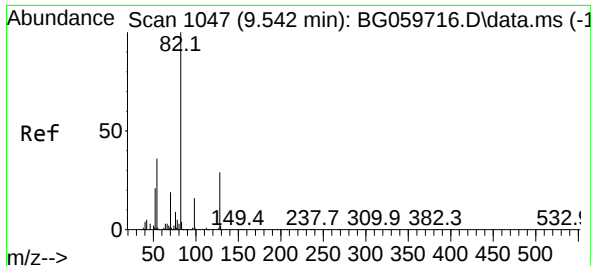
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.166 min Scan# 1324
Delta R.T. -0.004 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion:136 Resp: 103371
Ion Ratio Lower Upper
136 100
137 11.7 7.4 11.0#
54 7.1 3.1 4.7#
68 1.3 1.8 2.8#





#23

Nitrobenzene-d5

Concen: 54.283 ng

RT: 9.515 min Scan# 1043

Delta R.T. -0.010 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Instrument :

BNA_G

ClientSampleId :

72-12018

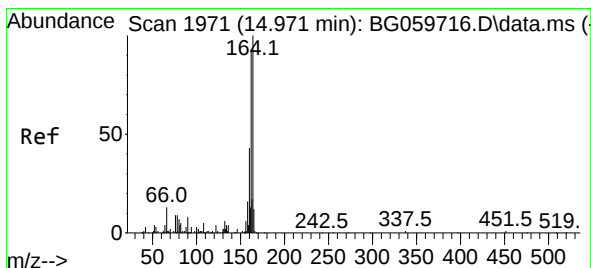
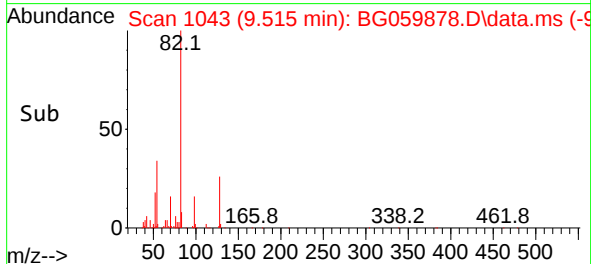
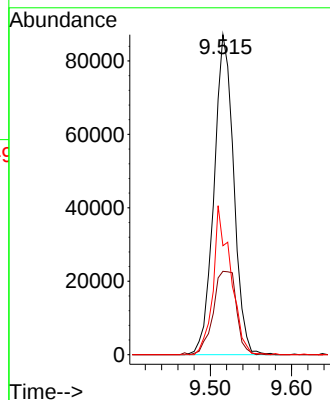
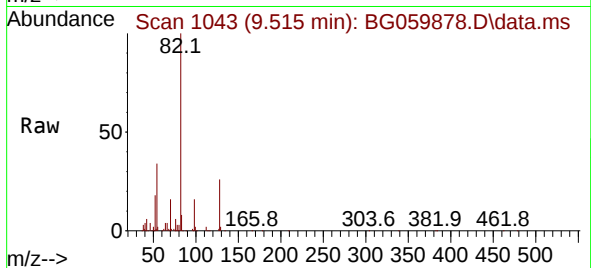
Tgt Ion:	82	Resp:	14692
Ion Ratio	Lower	Upper	
82	100		
128	26.0	23.0	34.6
54	34.0	28.7	43.1

Manual Integrations

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Supervised By :mohammad ahmed 11/28/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

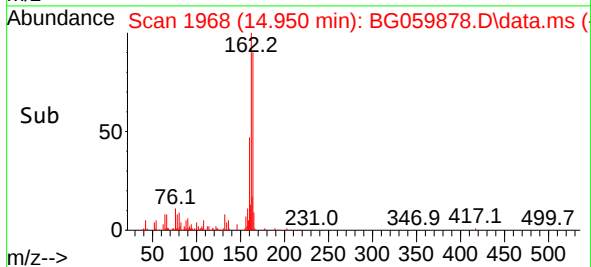
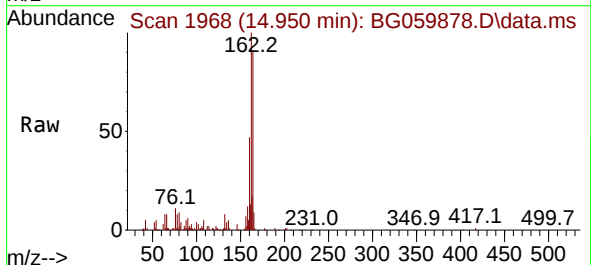
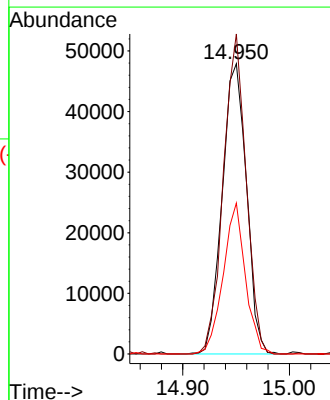
RT: 14.950 min Scan# 1968

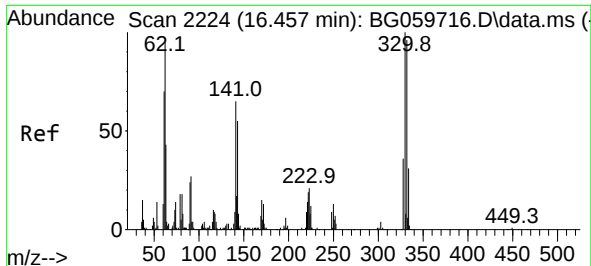
Delta R.T. -0.004 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

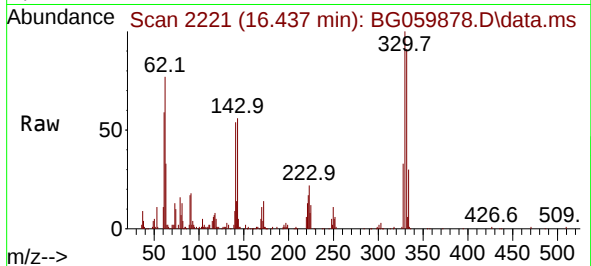
Tgt Ion:	164	Resp:	75614
Ion Ratio	Lower	Upper	
164	100		
162	110.2	73.3	109.9#
160	52.0	34.1	51.1#





#42
2,4,6-Tribromophenol
Concen: 93.626 ng
RT: 16.437 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

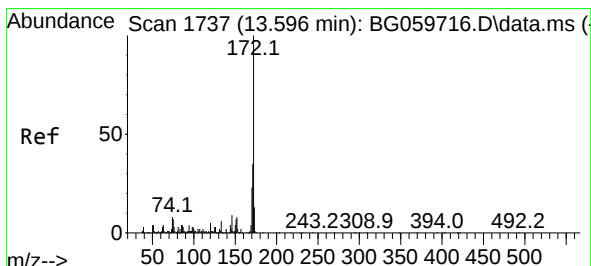
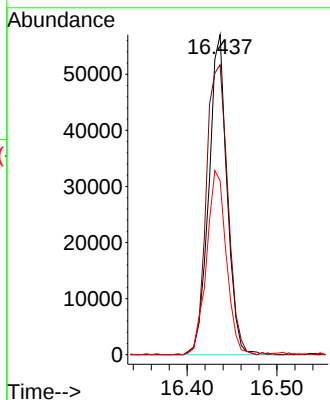
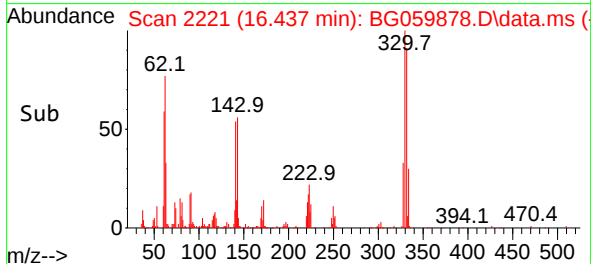
Instrument :
BNA_G
ClientSampleId :
72-12018



Tgt Ion:330 Resp: 8032
Ion Ratio Lower Upper
330 100
332 106.1 73.3 109.9
141 62.4 52.1 78.1

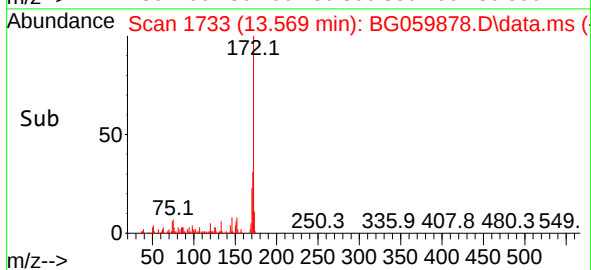
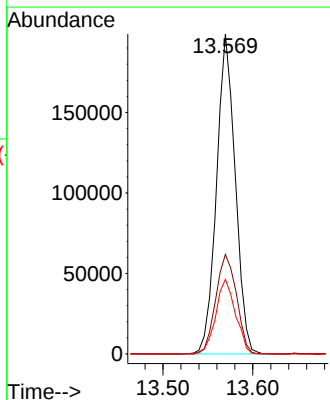
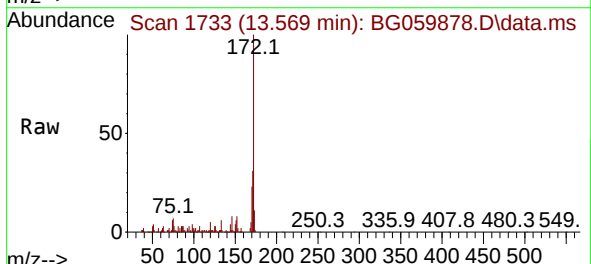
Manual Integrations
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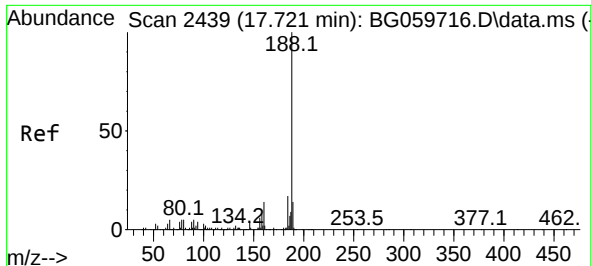
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#45
2-Fluorobiphenyl
Concen: 51.169 ng
RT: 13.569 min Scan# 1733
Delta R.T. -0.010 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion:172 Resp: 287442
Ion Ratio Lower Upper
172 100
171 31.1 27.7 41.5
170 23.3 18.4 27.6





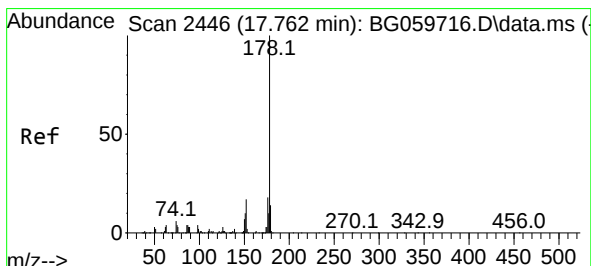
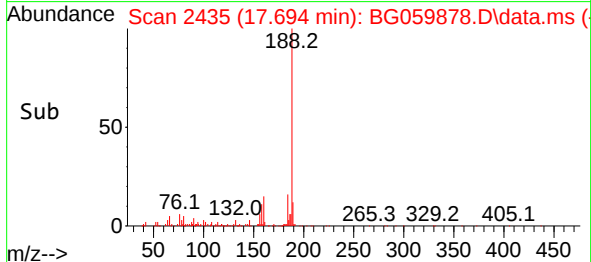
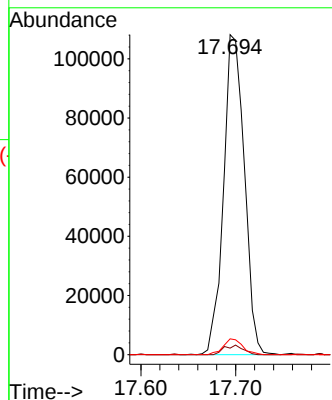
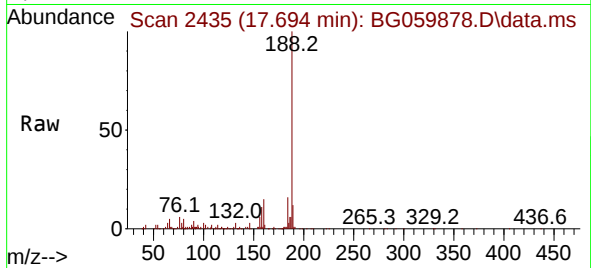
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.694 min Scan# 2435
Delta R.T. -0.015 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Instrument :
BNA_G
ClientSampleId :
72-12018

Tgt Ion:188 Resp: 165548
Ion Ratio Lower Upper
188 100
94 3.0 3.0 4.4
80 5.4 4.2 6.4

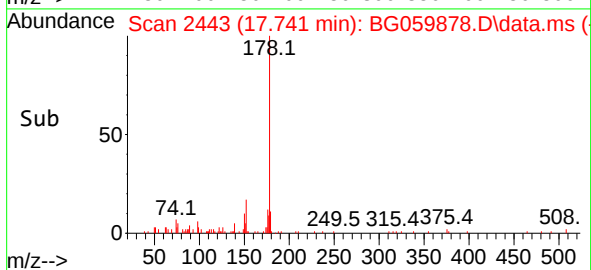
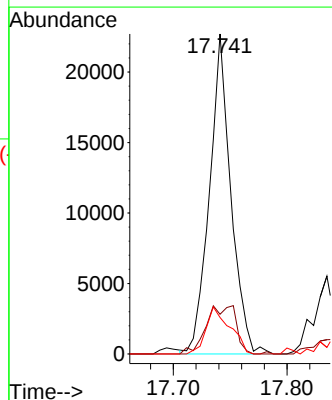
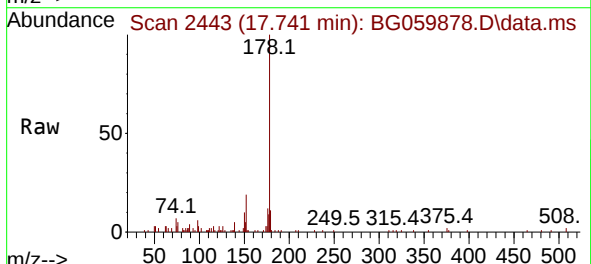
Manual Integrations
APPROVED

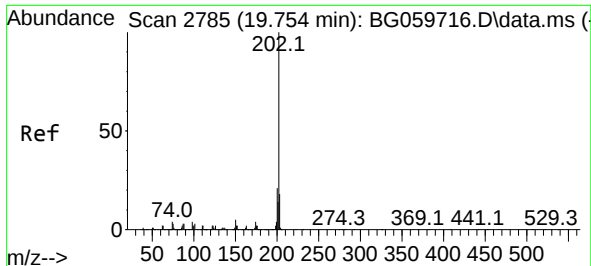
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#71
Phenanthrene
Concen: 3.536 ng
RT: 17.741 min Scan# 2443
Delta R.T. -0.010 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

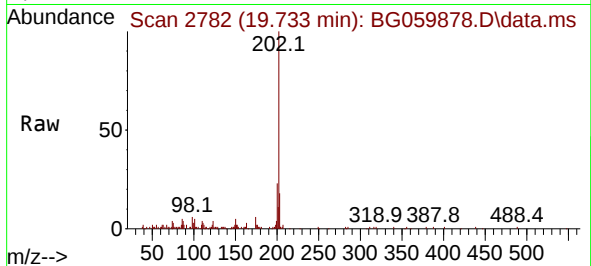
Tgt Ion:178 Resp: 29764
Ion Ratio Lower Upper
178 100
176 12.4 14.5 21.7#
179 11.4 11.2 16.8





#75
Fluoranthene
Concen: 5.626 ng
RT: 19.733 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

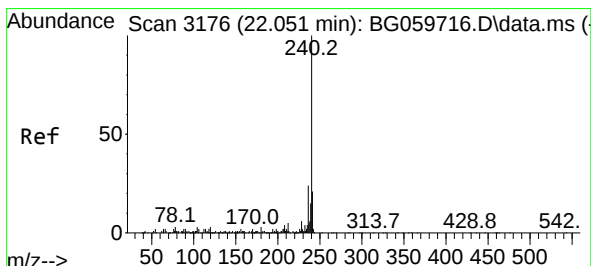
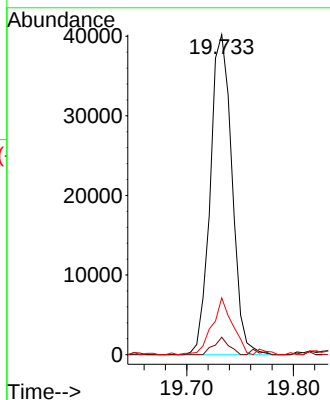
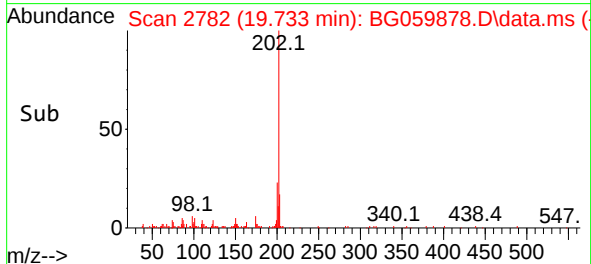
Instrument :
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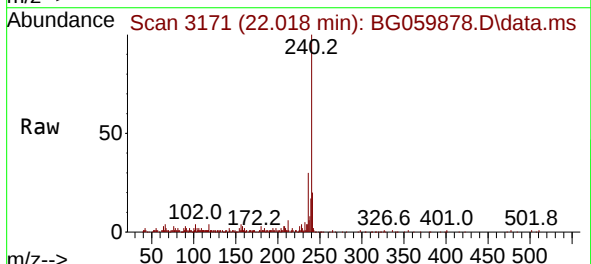
Tgt Ion:202 Resp: 56784
Ion Ratio Lower Upper
202 100
101 5.4 0.0 22.7
203 17.7 0.0 38.2

Manual Integrations
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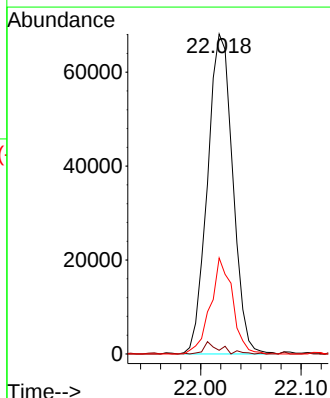
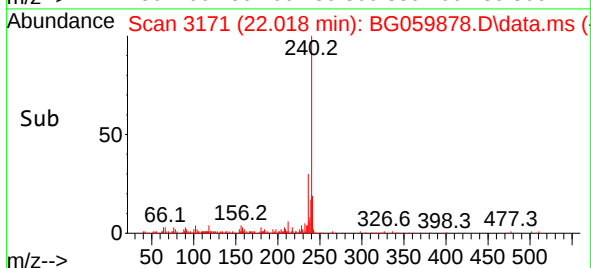
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023

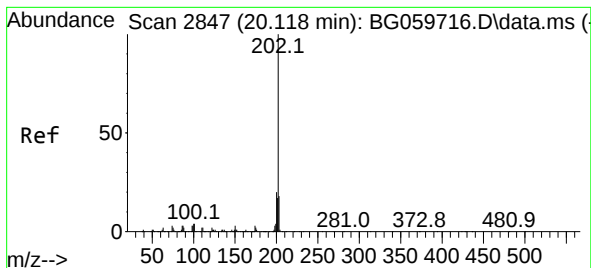


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.018 min Scan# 3171
Delta R.T. -0.015 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29



Tgt Ion:240 Resp: 119367
Ion Ratio Lower Upper
240 100
120 1.2 2.2 3.2#
236 30.0 19.4 29.2#





#78

Pyrene

Concen: 5.248 ng m

RT: 20.097 min Scan# 2844

Delta R.T. -0.010 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Instrument :

BNA_G

ClientSampleId :

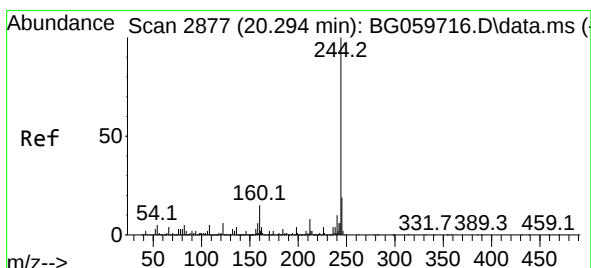
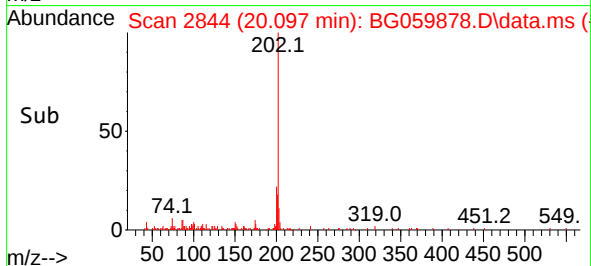
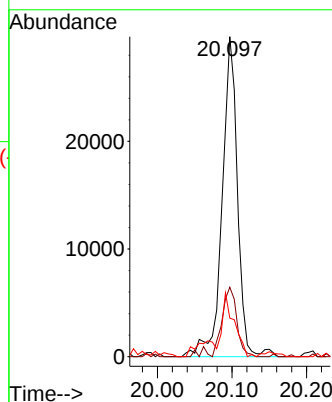
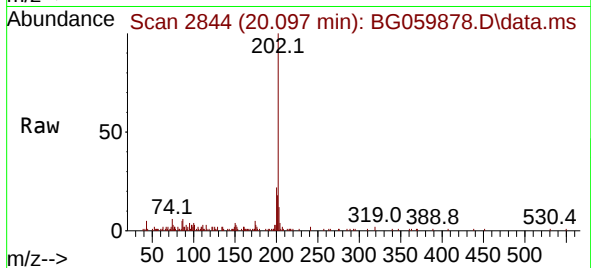
72-12018

Tgt Ion:	202	Resp:	4262
Ion Ratio	Lower	Upper	
202	100		
200	21.7	16.2	24.4
203	12.0	14.0	21.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/27/2023
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#79

Terphenyl-d14

Concen: 51.670 ng

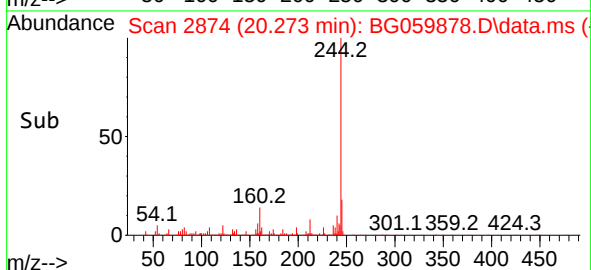
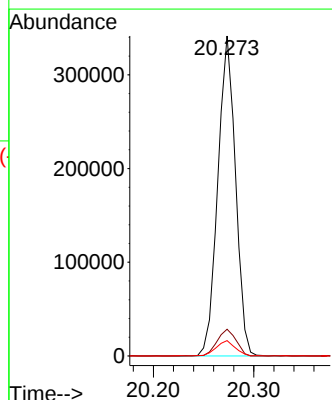
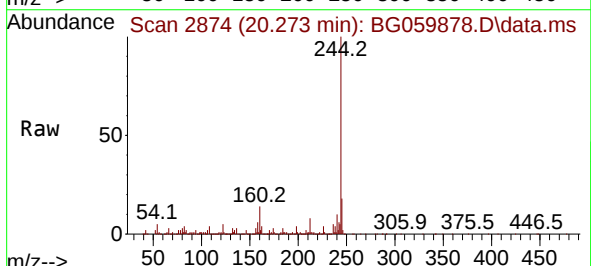
RT: 20.273 min Scan# 2874

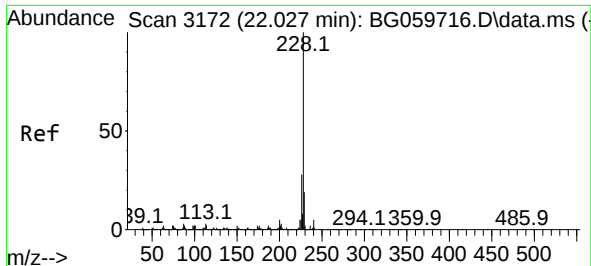
Delta R.T. -0.010 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Tgt Ion:	244	Resp:	417792
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.6	10.0
122	4.8	4.4	6.6





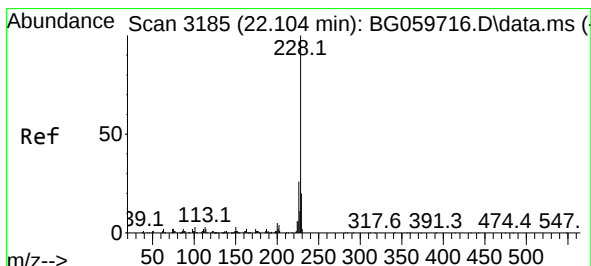
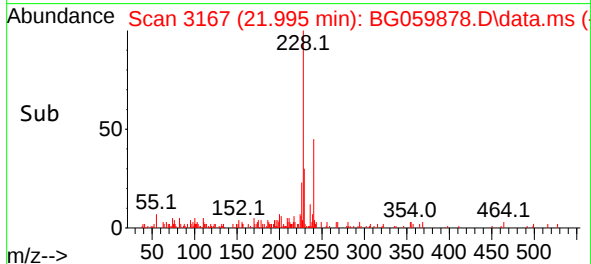
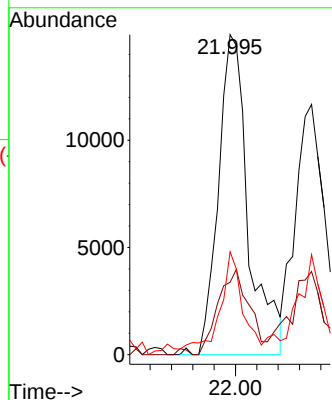
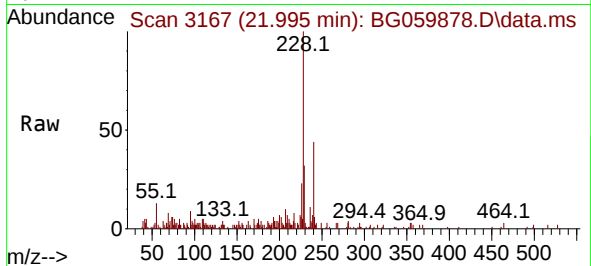
#81
Benzo(a)anthracene
Concen: 3.558 ng
RT: 21.995 min Scan# 3172
Delta R.T. -0.015 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Instrument :
BNA_G
ClientSampleId :
72-12018

Tgt Ion:228 Resp: 29062
Ion Ratio Lower Upper
228 100
226 22.6 22.1 33.1
229 32.2 14.9 22.3

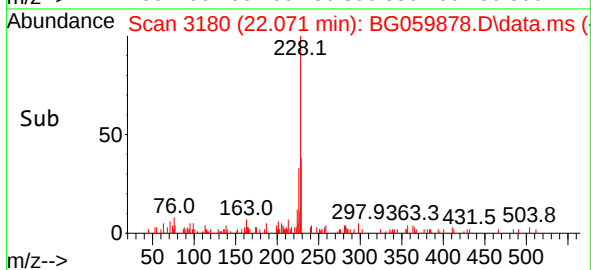
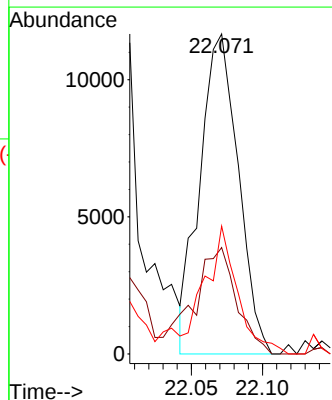
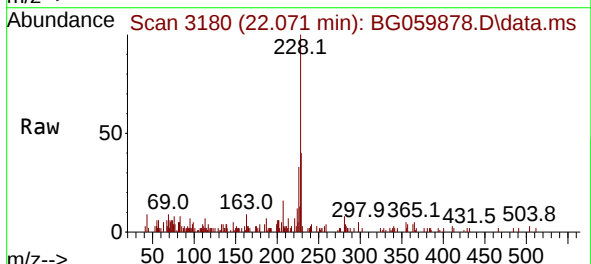
Manual Integrations
APPROVED

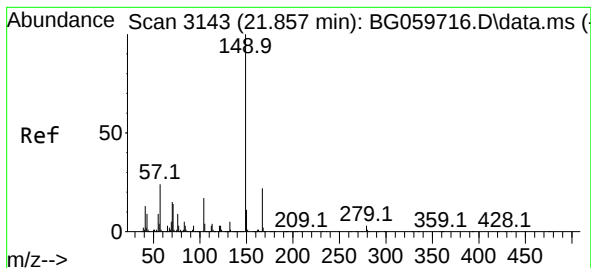
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#83
Chrysene
Concen: 2.933 ng
RT: 22.071 min Scan# 3180
Delta R.T. -0.015 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion:228 Resp: 21957
Ion Ratio Lower Upper
228 100
226 33.3 21.1 31.7#
229 40.0 16.2 24.4#





#84

Bis(2-ethylhexyl)phthalate

Concen: 23.144 ng

RT: 21.825 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Instrument :

BNA_G

ClientSampleId :

72-12018

Tgt Ion:149 Resp: 10774

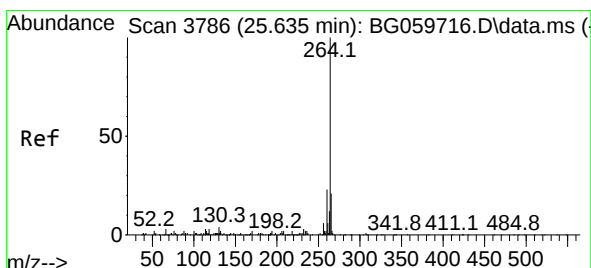
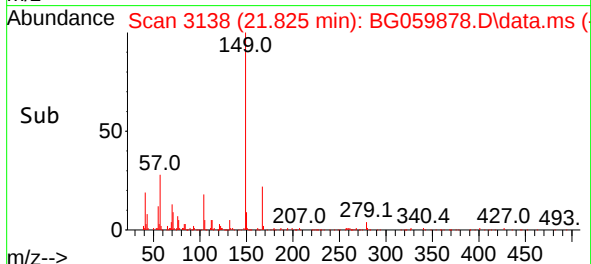
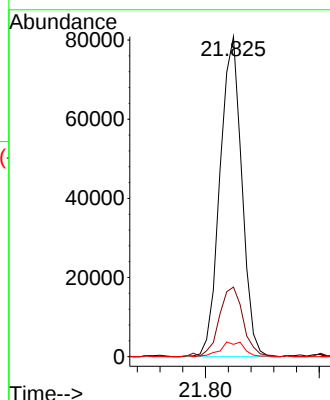
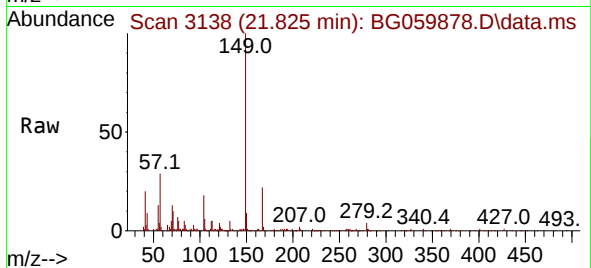
Ion	Ratio	Lower	Upper
149	100		
167	21.8	17.6	26.4
279	3.9	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2023

Supervised By :mohammad ahmed 11/28/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.591 min Scan# 3779

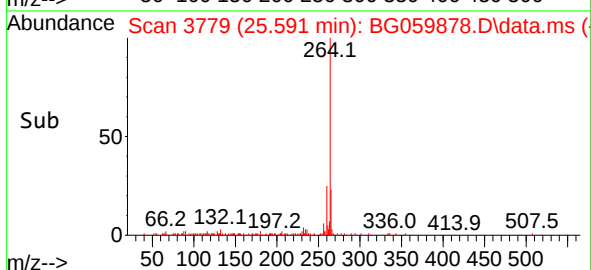
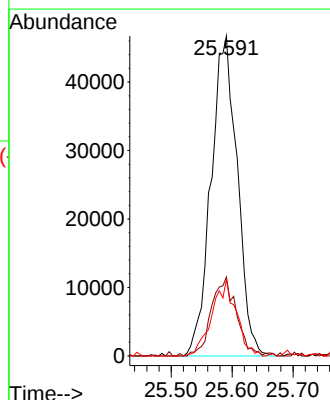
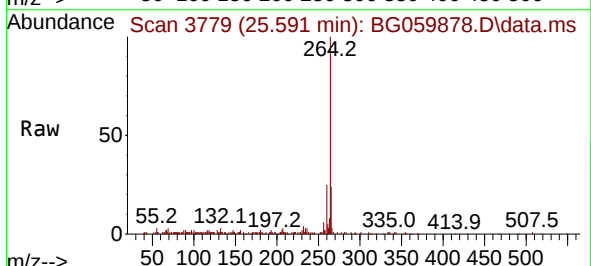
Delta R.T. -0.021 min

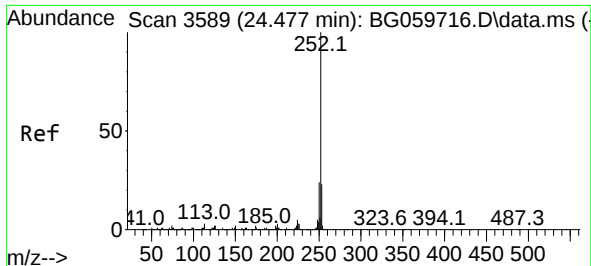
Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Tgt Ion:264 Resp: 139820

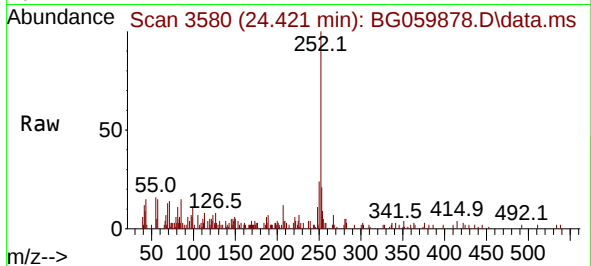
Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.5	27.7
265	24.0	17.0	25.6





#88
Benzo(b)fluoranthene
Concen: 4.810 ng
RT: 24.421 min Scan# 31
Delta R.T. -0.027 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

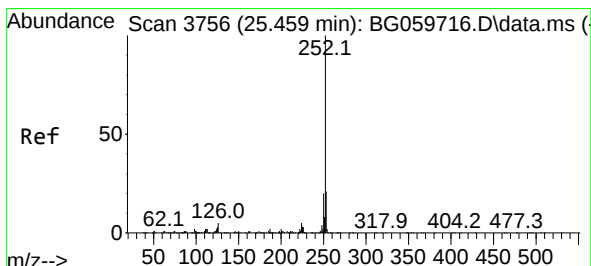
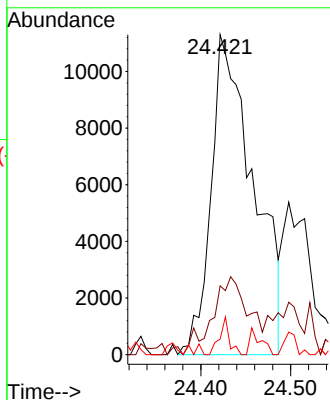
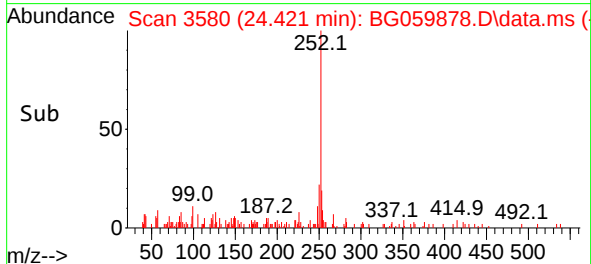
Instrument :
BNA_G
ClientSampleId :
72-12018



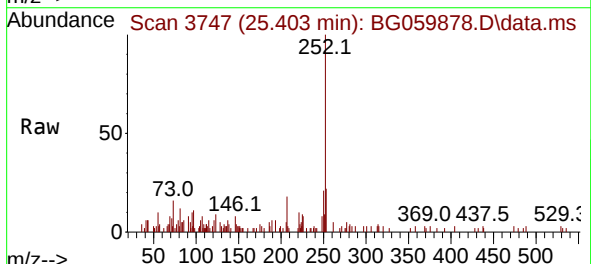
Tgt Ion:252 Resp: 3685
Ion Ratio Lower Upper
252 100
253 21.5 18.3 27.5
125 4.8 1.4 2.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#90
Benzo(a)pyrene
Concen: 3.013 ng
RT: 25.403 min Scan# 3747
Delta R.T. -0.039 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29



Tgt Ion:252 Resp: 24639
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 0.0 2.0 3.0

