

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082323\
 Data File : BG058830.D
 Acq On : 23 Aug 2023 20:23
 Operator : MA/JU
 Sample : 04110-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-26(1-2)

Quant Time: Aug 24 02:46:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/24/2023
 Supervised By :mohammad ahmed 08/24/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	16681	20.000	ng	0.00
21) Naphthalene-d8	10.605	136	78852	20.000	ng	0.00
39) Acenaphthene-d10	14.453	164	63684	20.000	ng	0.00
64) Phenanthrene-d10	17.197	188	145978	20.000	ng	-0.01
76) Chrysene-d12	21.439	240	126243	20.000	ng	-0.01
86) Perylene-d12	24.512	264	154581	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.376	112	86959	83.892	ng	0.00
7) Phenol-d6	6.980	99	132424	91.056	ng	0.00
23) Nitrobenzene-d5	8.972	82	90259	55.033	ng	0.00
42) 2,4,6-Tribromophenol	15.946	330	69793	69.894	ng	0.00
45) 2-Fluorobiphenyl	13.073	172	226254	51.673	ng	0.00
79) Terphenyl-d14	19.818	244	360496	51.274	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.658	128	21325	5.151	ng	98
37) 2-Methylnaphthalene	12.274	142	13225	4.447	ng	96
38) 1-Methylnaphthalene	12.491	142	12208m	4.325	ng	
71) Phenanthrene	17.244	178	29030	4.142	ng	98
75) Fluoranthene	19.259	202	19844	2.283	ng	96
78) Pyrene	19.624	202	19837	2.255	ng	96
83) Chrysene	21.486	228	20658	2.439	ng	# 89
88) Benzo(b)fluoranthene	23.549	252	18025m	2.102	ng	

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

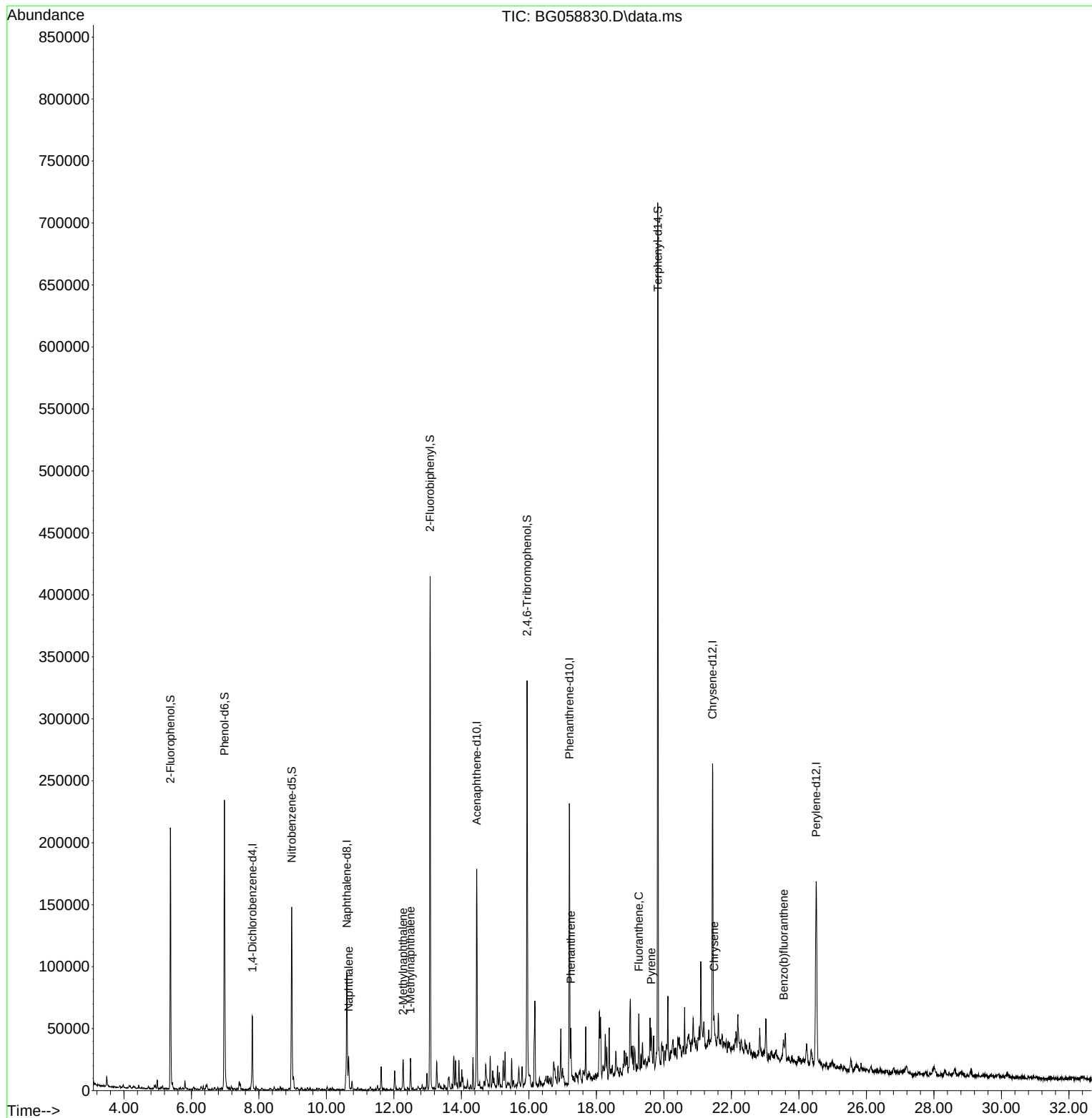
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082323\
Data File : BG058830.D
Acq On : 23 Aug 2023 20:23
Operator : MA/JU
Sample : 04110-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

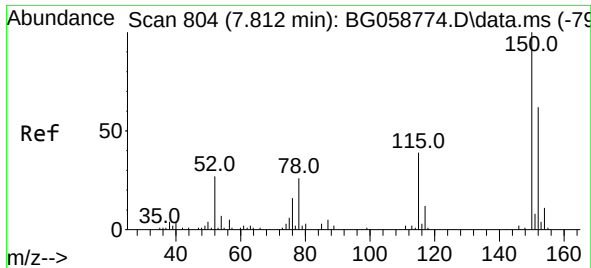
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)

Quant Time: Aug 24 02:46:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
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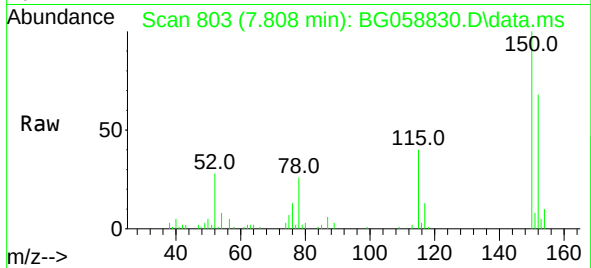
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

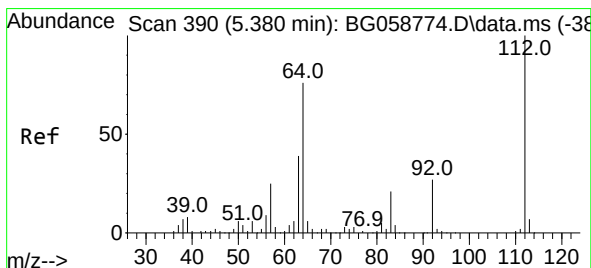
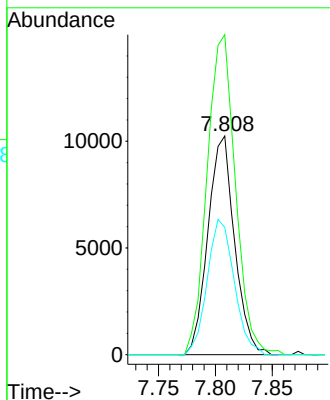
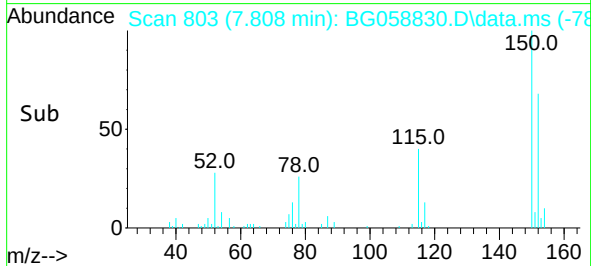
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)



Tgt Ion:152 Resp: 1668
Ion Ratio Lower Upper
152 100
150 146.3 128.6 192.8
115 58.2 50.4 75.6

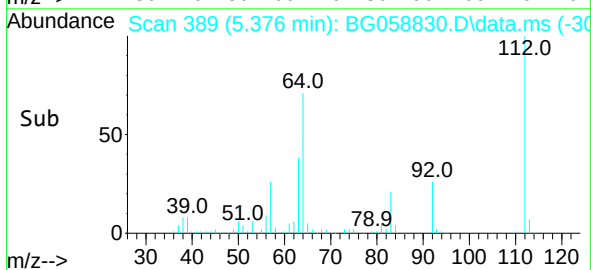
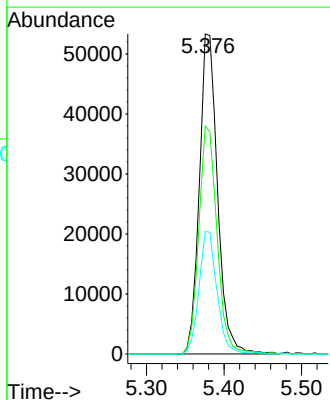
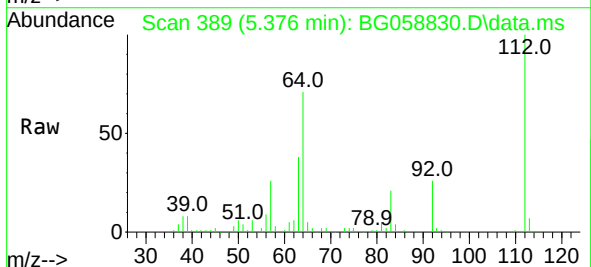
Manual Integrations
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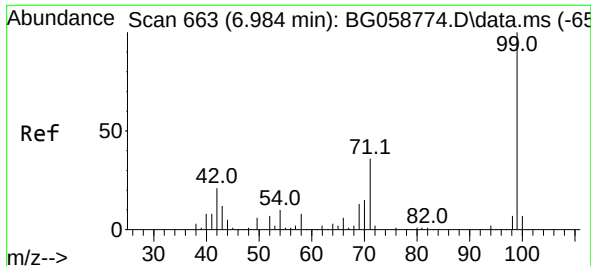
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#5
2-Fluorophenol
Concen: 83.892 ng
RT: 5.376 min Scan# 389
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

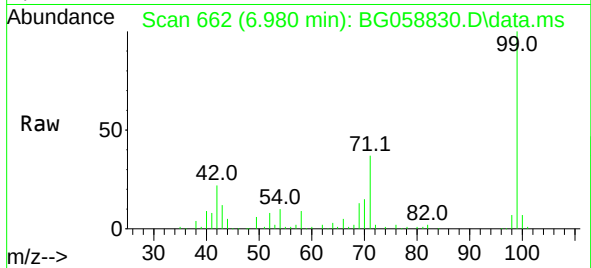
Tgt Ion:112 Resp: 86959
Ion Ratio Lower Upper
112 100
64 71.3 60.6 90.8
63 38.2 31.0 46.4





#7
Phenol-d6
Concen: 91.056 ng
RT: 6.980 min Scan# 60
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

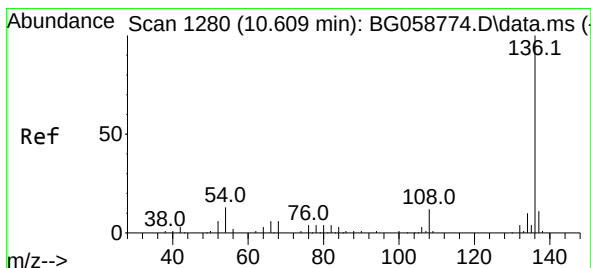
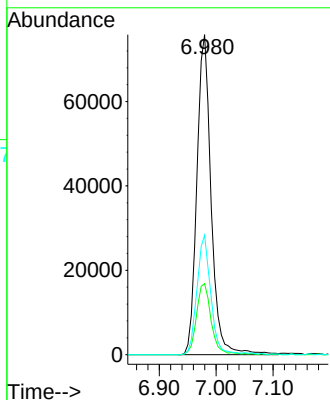
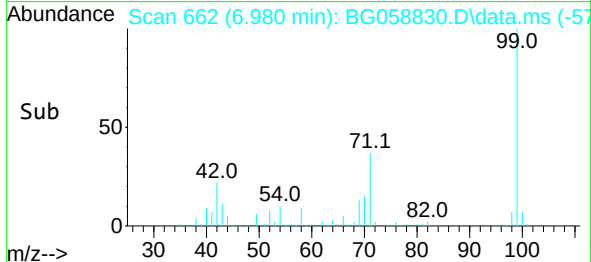
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)



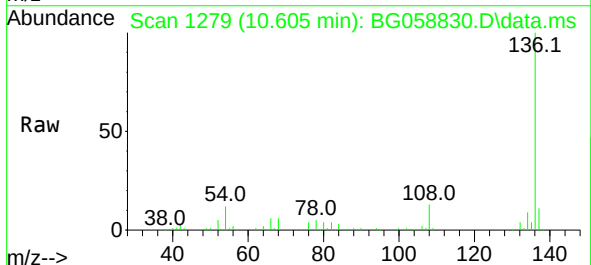
Tgt Ion: 99 Resp: 132424
Ion Ratio Lower Upper
99 100
42 22.2 16.5 24.7
71 37.4 28.4 42.6

Manual Integrations
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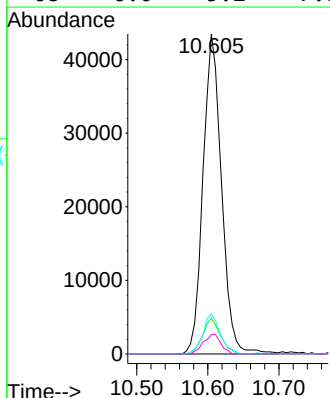
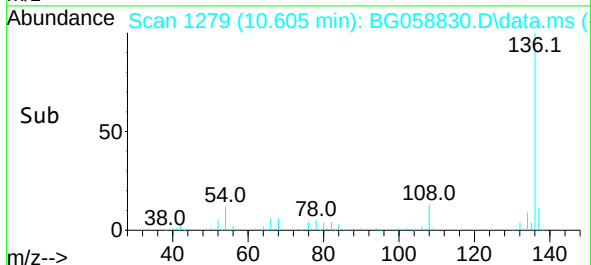
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

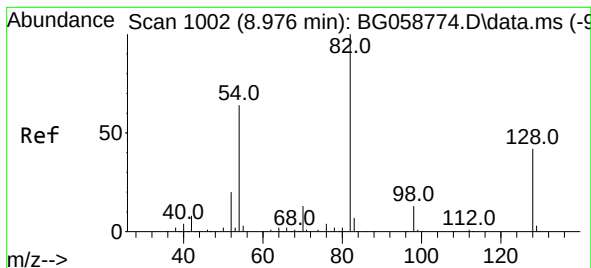


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1279
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23



Tgt Ion:136 Resp: 78852
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 12.5 10.1 15.1
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 55.033 ng

RT: 8.972 min Scan# 1002

Delta R.T. -0.004 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-26(1-2)

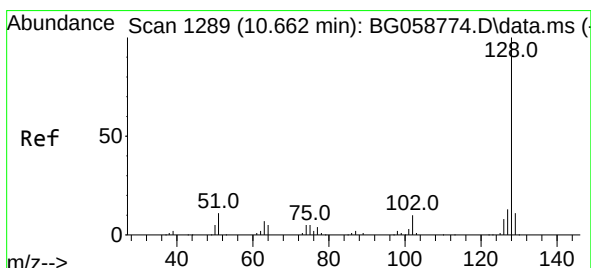
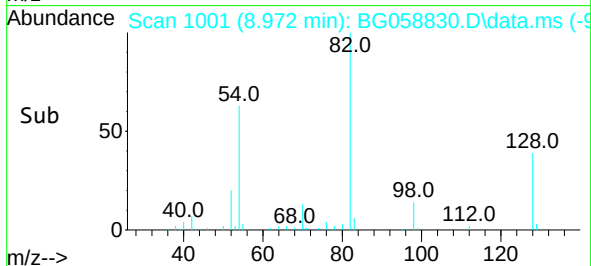
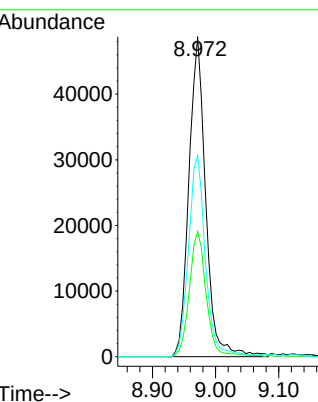
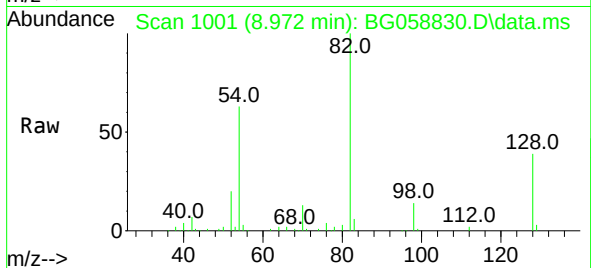
Tgt Ion: 82	Resp: 9025
Ion Ratio	Lower Upper
82 100	
128 39.1	33.2 49.8
54 62.9	51.2 76.8

Manual Integrations

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Supervised By :mohammad ahmed 08/24/2023



#31

Naphthalene

Concen: 5.151 ng

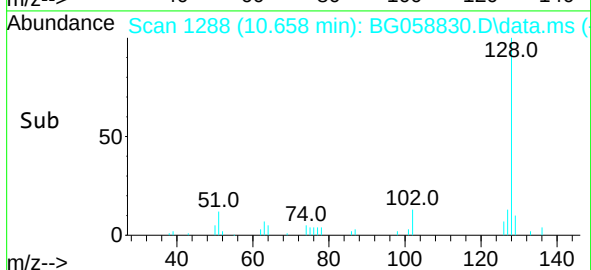
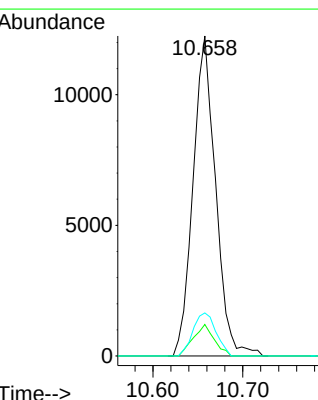
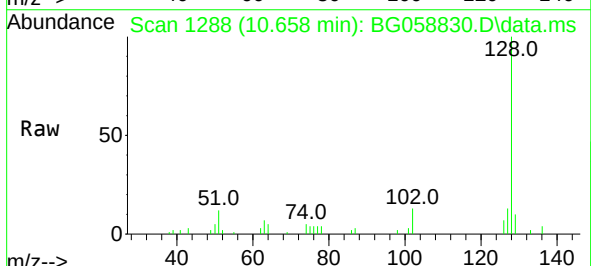
RT: 10.658 min Scan# 1288

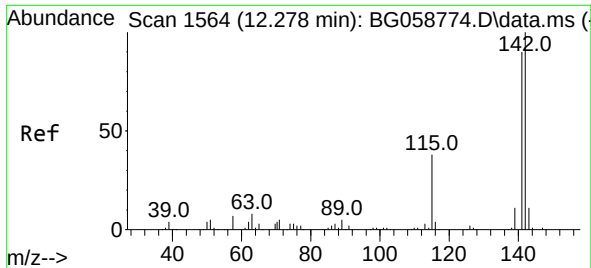
Delta R.T. -0.004 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Tgt Ion:128	Resp: 21325
Ion Ratio	Lower Upper
128 100	
129 9.8	8.9 13.3
127 13.5	10.6 15.8





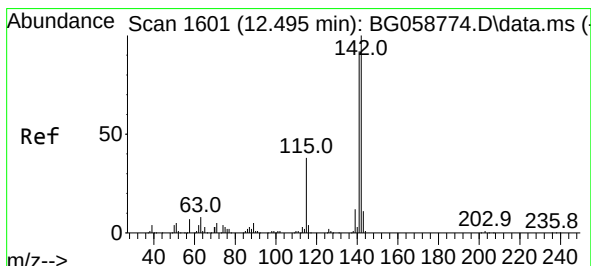
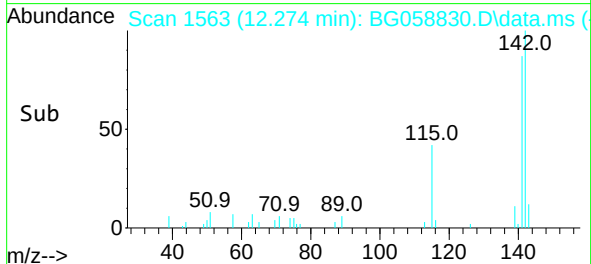
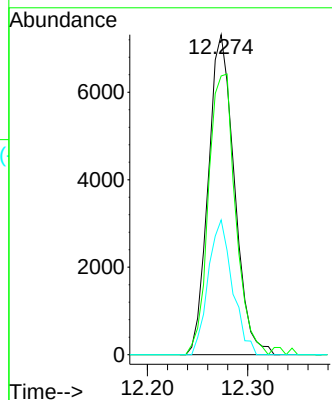
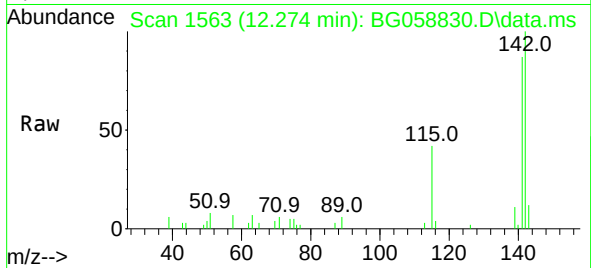
#37
2-Methylnaphthalene
Concen: 4.447 ng
RT: 12.274 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)

Tgt Ion:142 Resp: 13225
Ion Ratio Lower Upper
142 100
141 87.1 71.8 107.8
115 42.1 30.6 45.8

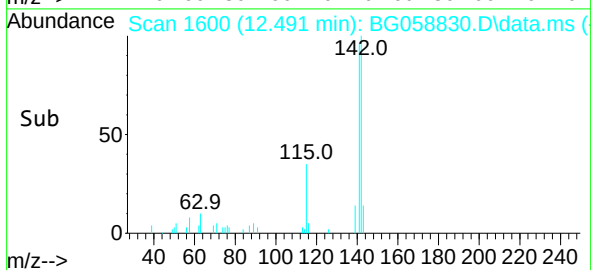
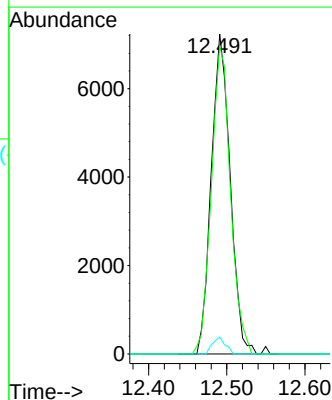
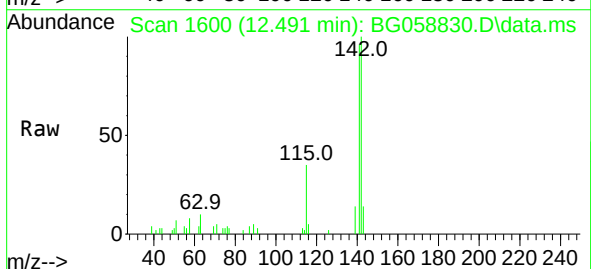
Manual Integrations
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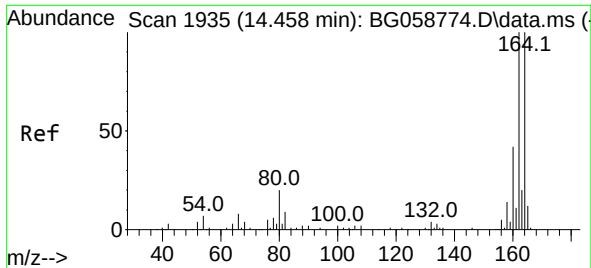
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#38
1-Methylnaphthalene
Concen: 4.325 ng m
RT: 12.491 min Scan# 1600
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

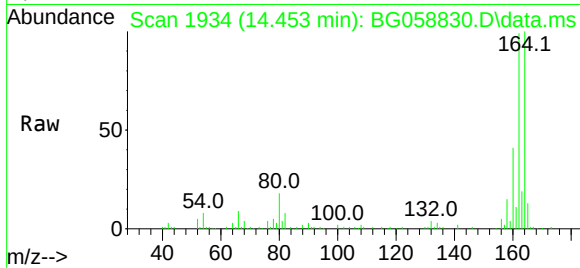
Tgt Ion:142 Resp: 12208
Ion Ratio Lower Upper
142 100
141 96.2 73.9 110.9
116 5.3 3.2 4.8#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.453 min Scan# 1934
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

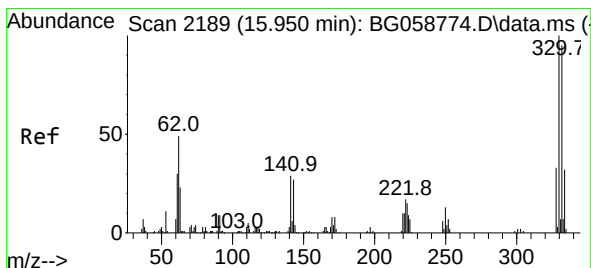
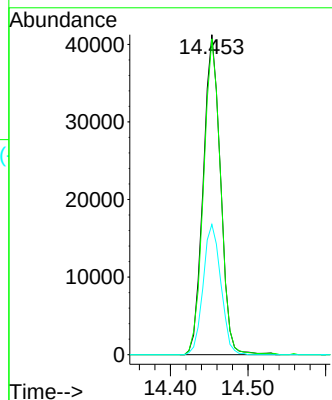
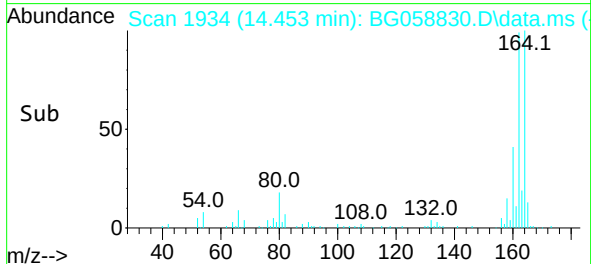
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)



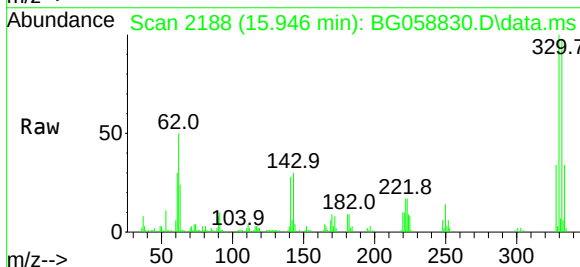
Tgt Ion:164 Resp: 63684
Ion Ratio Lower Upper
164 100
162 98.7 79.6 119.4
160 40.7 34.0 51.0

Manual Integrations
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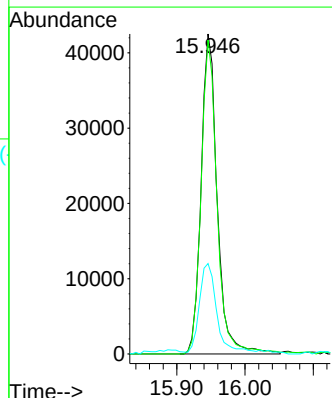
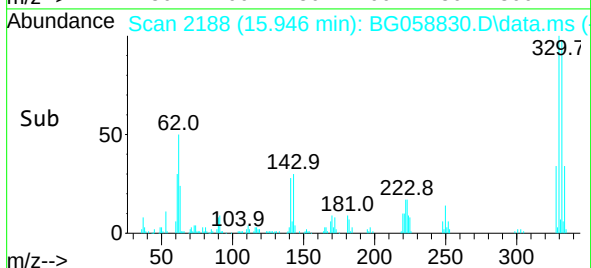
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

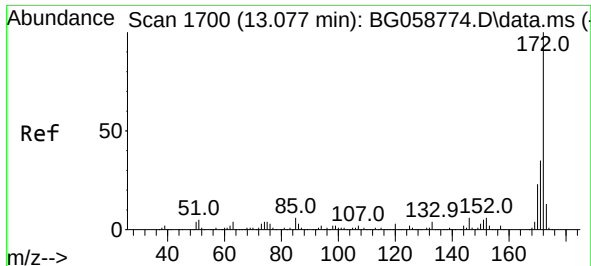


#42
2,4,6-Tribromophenol
Concen: 69.894 ng
RT: 15.946 min Scan# 2188
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23



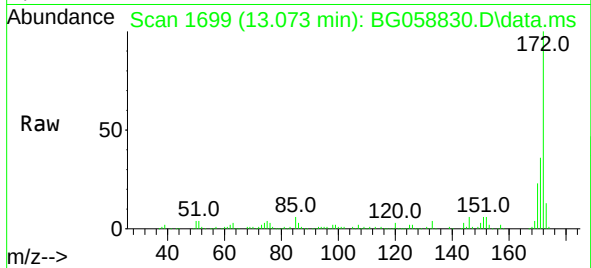
Tgt Ion:330 Resp: 69793
Ion Ratio Lower Upper
330 100
332 97.6 78.5 117.7
141 28.8 23.0 34.6





#45
2-Fluorobiphenyl
Concen: 51.673 ng
RT: 13.073 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

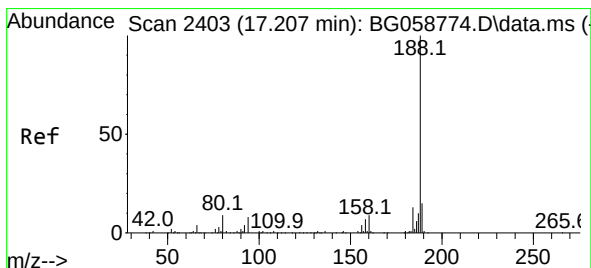
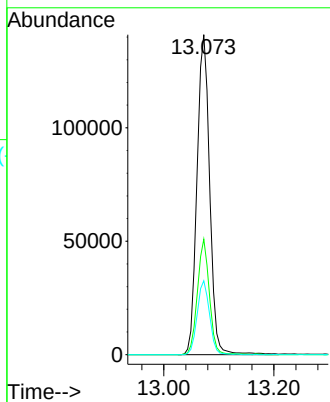
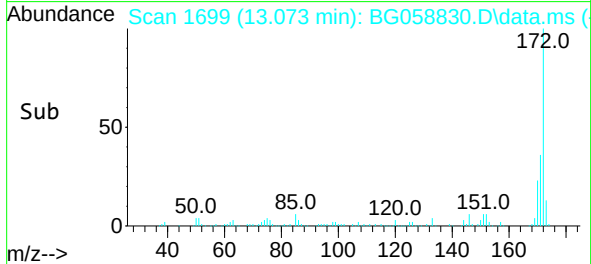
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)



Tgt Ion:172 Resp: 226254
Ion Ratio Lower Upper
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171 36.1 28.1 42.1
170 23.1 18.6 27.8

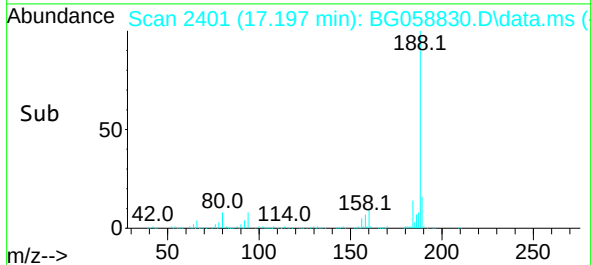
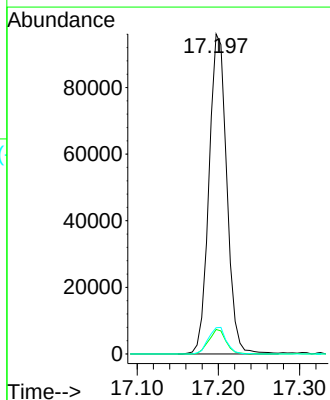
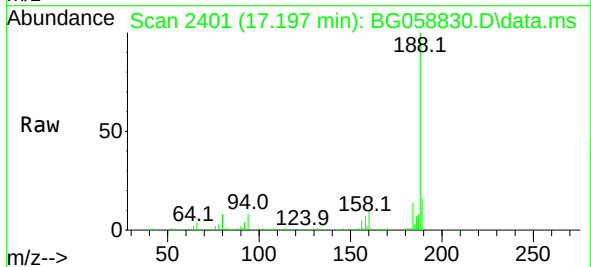
Manual Integrations
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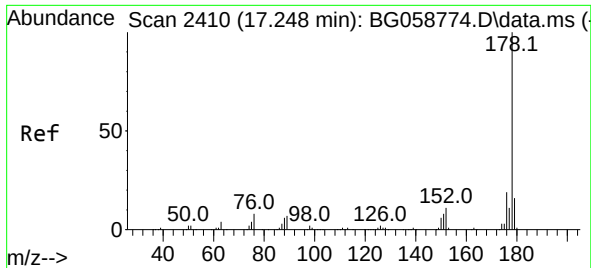
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.197 min Scan# 2401
Delta R.T. -0.010 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

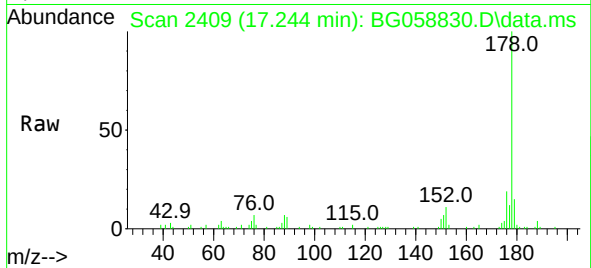
Tgt Ion:188 Resp: 145978
Ion Ratio Lower Upper
188 100
94 7.6 6.1 9.1
80 8.2 6.9 10.3





#71
Phenanthrene
Concen: 4.142 ng
RT: 17.244 min Scan# 2410
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

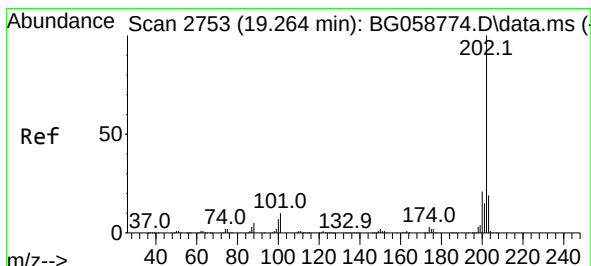
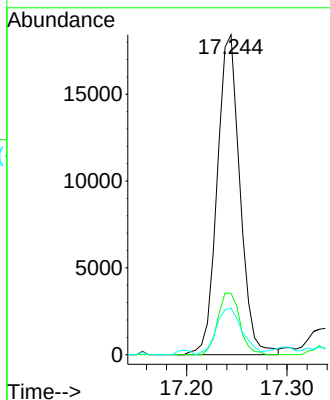
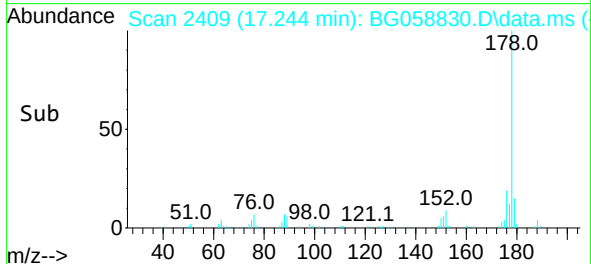
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)



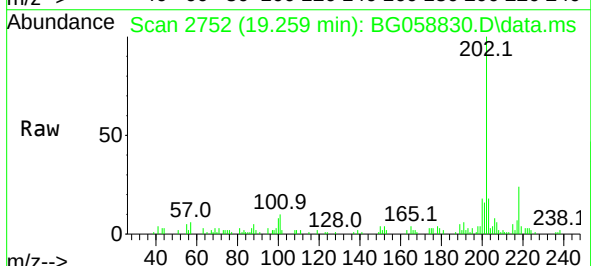
Tgt Ion:178 Resp: 29030
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 14.5 13.0 19.4

Manual Integrations
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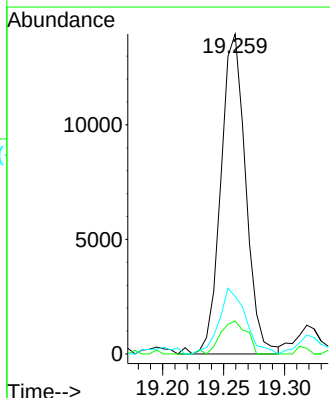
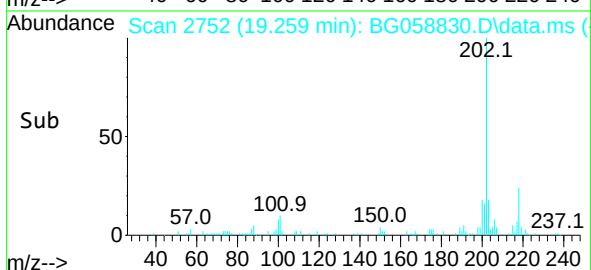
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

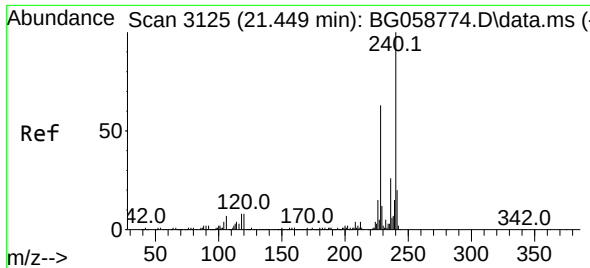


#75
Fluoranthene
Concen: 2.283 ng
RT: 19.259 min Scan# 2752
Delta R.T. -0.005 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23



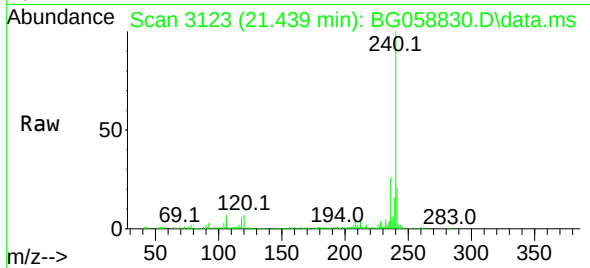
Tgt Ion:202 Resp: 19844
Ion Ratio Lower Upper
202 100
101 12.6 0.0 29.7
203 18.0 0.0 38.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3125
Delta R.T. -0.010 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

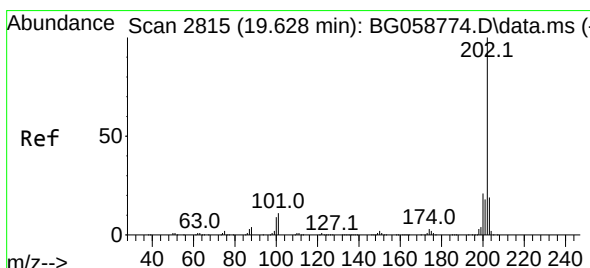
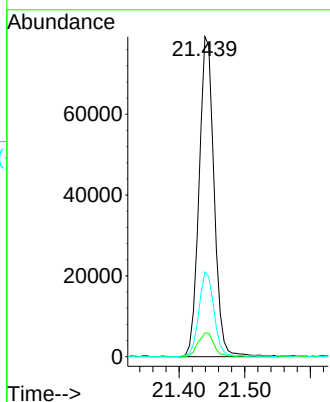
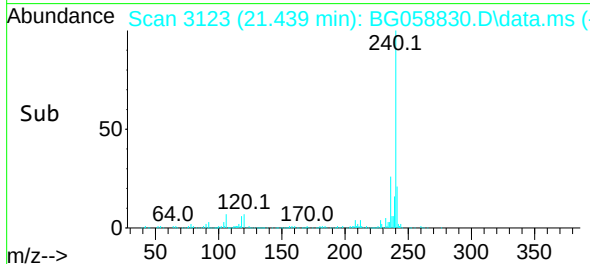
Instrument :
BNA_G
ClientSampleId :
TP-26(1-2)



Tgt Ion:240 Resp: 12624
Ion Ratio Lower Upper
240 100
120 7.4 6.2 9.2
236 26.4 20.5 30.7

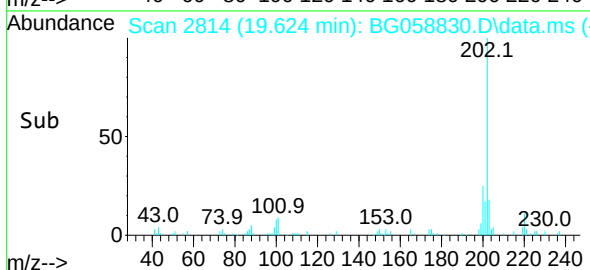
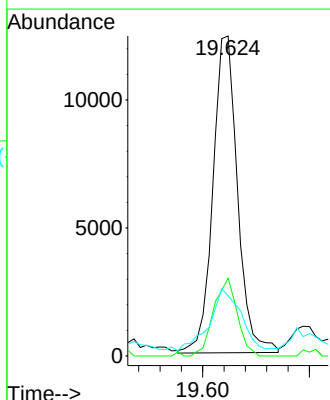
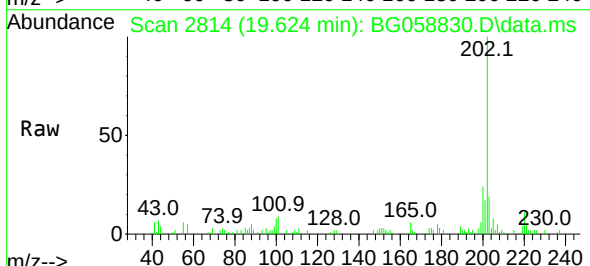
Manual Integrations
APPROVED

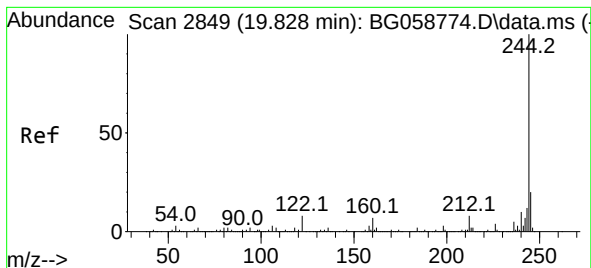
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#78
Pyrene
Concen: 2.255 ng
RT: 19.624 min Scan# 2814
Delta R.T. -0.004 min
Lab File: BG058830.D
Acq: 23 Aug 2023 20:23

Tgt Ion:202 Resp: 19837
Ion Ratio Lower Upper
202 100
200 24.3 16.7 25.1
203 18.8 15.3 22.9





#79

Terphenyl-d14

Concen: 51.274 ng

RT: 19.818 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG058830.D

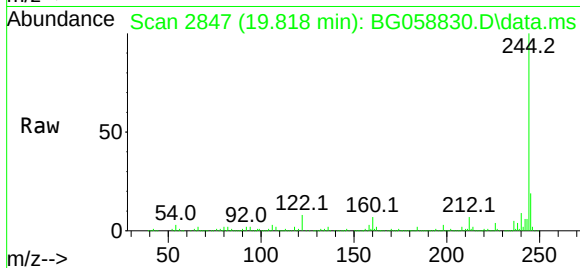
Acq: 23 Aug 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-26(1-2)



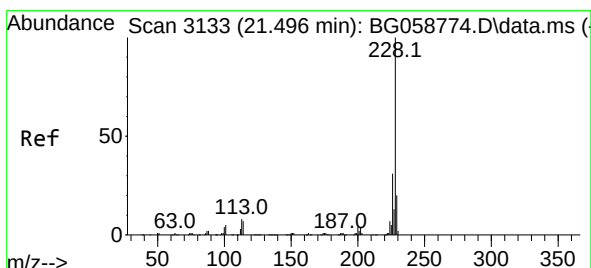
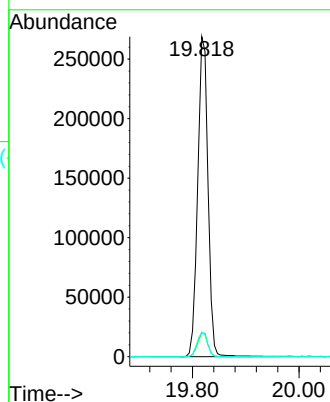
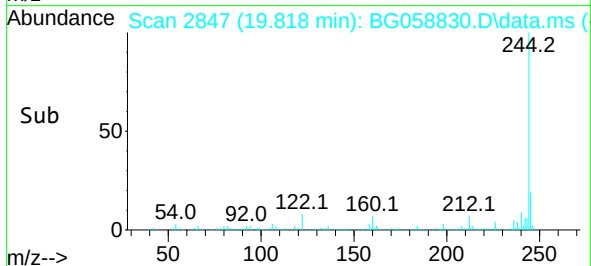
Tgt Ion:	244	Resp:	360490
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.2	9.2
122	7.8	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2023

Supervised By :mohammad ahmed 08/24/2023



#83

Chrysene

Concen: 2.439 ng

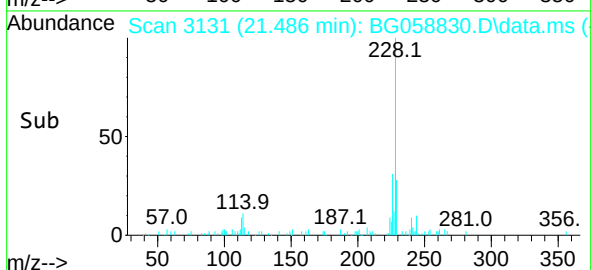
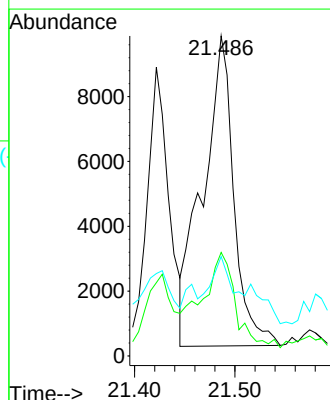
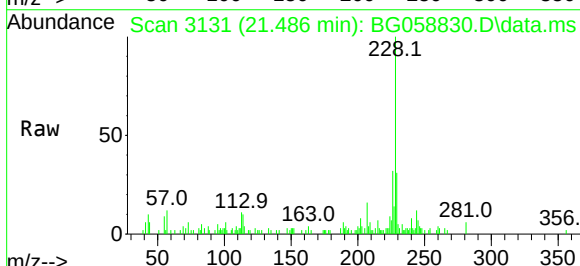
RT: 21.486 min Scan# 3131

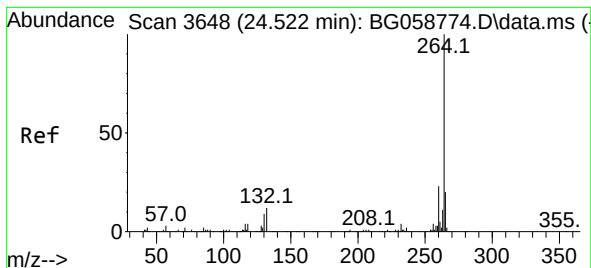
Delta R.T. -0.010 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Tgt Ion:	228	Resp:	20658
Ion Ratio	Lower	Upper	
228	100		
226	32.4	24.4	36.6
229	31.1	16.3	24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.512 min Scan# 30

Delta R.T. -0.010 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-26(1-2)

Tgt Ion:264 Resp: 15458

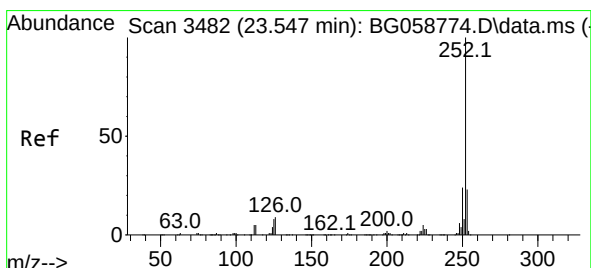
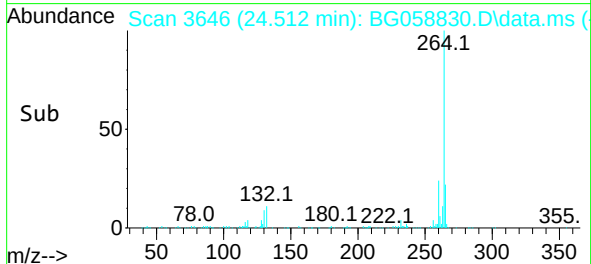
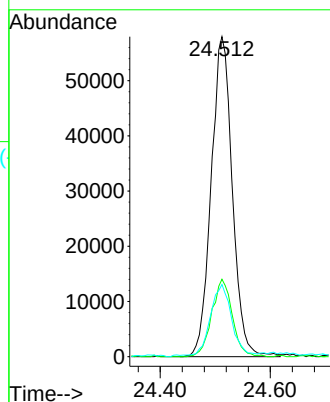
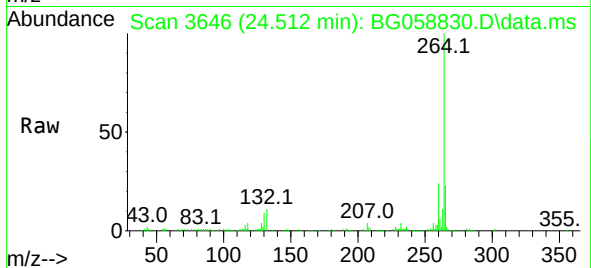
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.2
265	22.6	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2023

Supervised By :mohammad ahmed 08/24/2023



#88

Benzo(b)fluoranthene

Concen: 2.102 ng m

RT: 23.549 min Scan# 3482

Delta R.T. 0.002 min

Lab File: BG058830.D

Acq: 23 Aug 2023 20:23

Tgt Ion:252 Resp: 18025

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	7.9	6.2	9.2

