

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082223\
 Data File : BG058813.D
 Acq On : 22 Aug 2023 18:28
 Operator : MA/JU
 Sample : 04086-19DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-PP10ADL

Manual Integrations
 APPROVED

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

Quant Time: Aug 23 02:32:09 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	34274	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	148007	20.000	ng	0.00
39) Acenaphthene-d10	14.453	164	107032	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	253121	20.000	ng	0.00
76) Chrysene-d12	21.445	240	226398	20.000	ng	0.00
86) Perylene-d12	24.512	264	288626	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	23355	10.966	ng	0.00
7) Phenol-d6	6.979	99	31122m	10.415	ng	0.00
23) Nitrobenzene-d5	8.977	82	18927	6.148	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	15592	9.291	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	50552	6.870	ng	0.00
79) Terphenyl-d14	19.817	244	94070	7.461	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.244	178	208428	17.152	ng	99
72) Anthracene	17.332	178	55277	4.536	ng	98
75) Fluoranthene	19.259	202	292478	19.409	ng	99
78) Pyrene	19.623	202	492017	31.190	ng	99
81) Benzo(a)anthracene	21.427	228	229416	14.557	ng	99
83) Chrysene	21.486	228	228996	15.075	ng	99
87) Indeno(1,2,3-cd)pyrene	27.996	276	89522	4.584	ng	# 92
88) Benzo(b)fluoranthene	23.542	252	173090	10.808	ng	100
89) Benzo(k)fluoranthene	23.589	252	50612m	3.064	ng	
90) Benzo(a)pyrene	24.371	252	177871	11.280	ng	99
92) Benzo(g,h,i)perylene	29.095	276	110793	6.906	ng	96

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

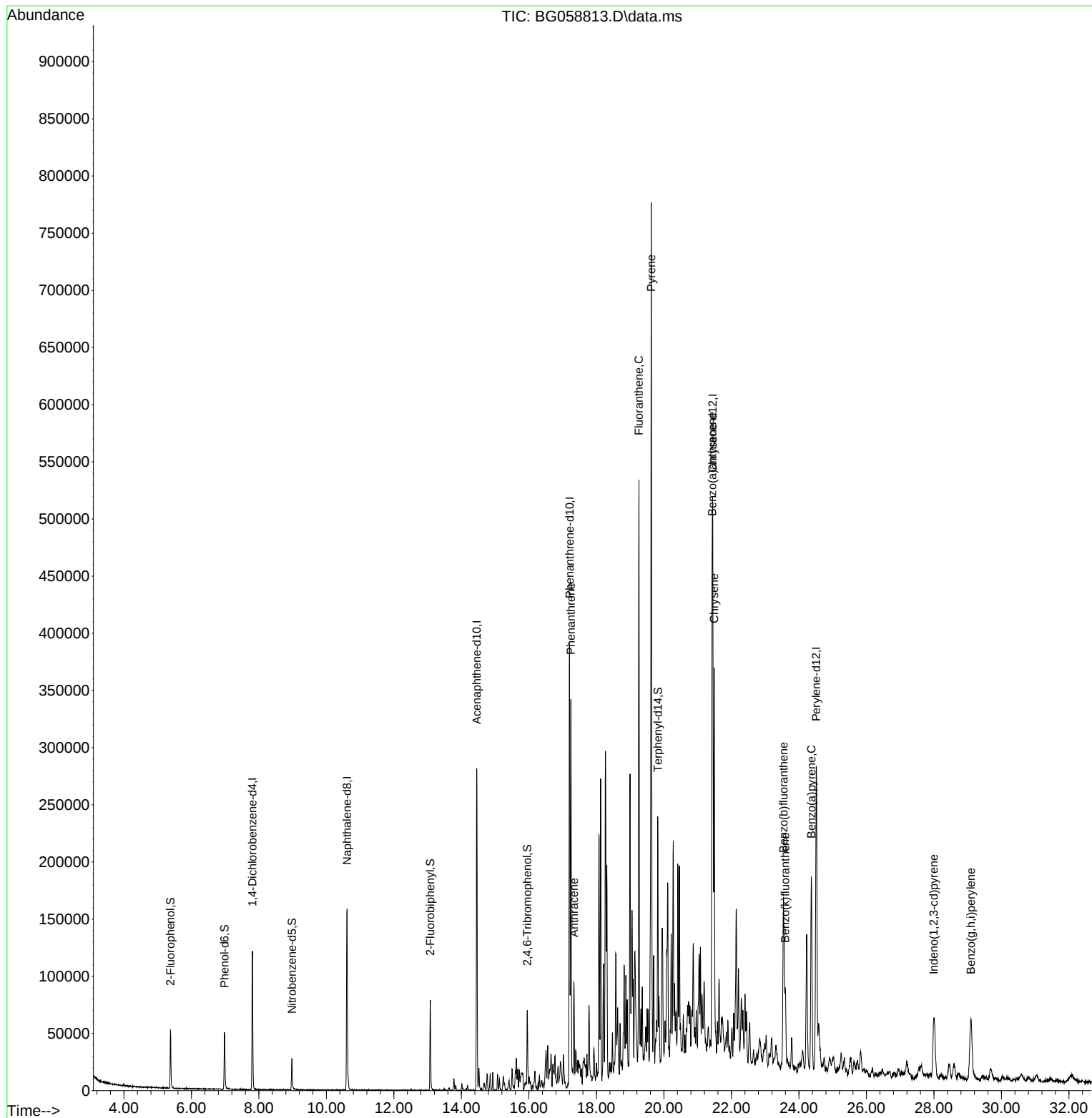
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082223\
Data File : BG058813.D
Acq On : 22 Aug 2023 18:28
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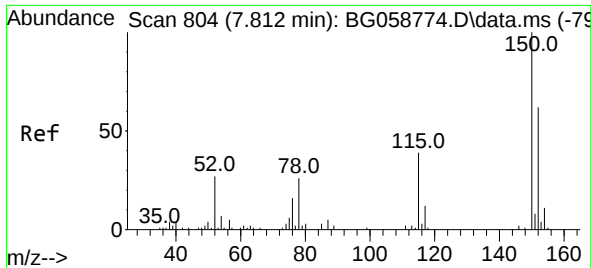
Instrument :
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ClientSampleId :
B-PP10ADL

Quant Time: Aug 23 02:32:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
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QLast Update : Mon Aug 21 01:40:57 2023
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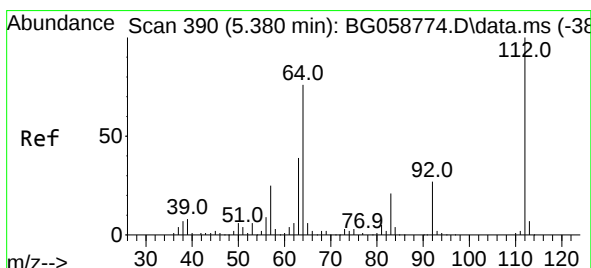
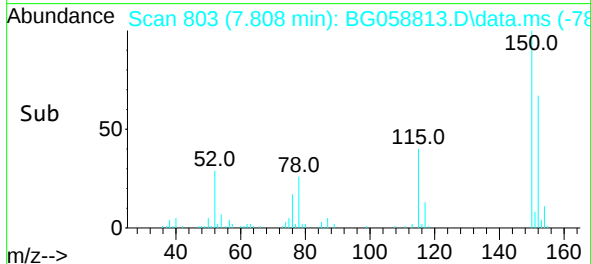
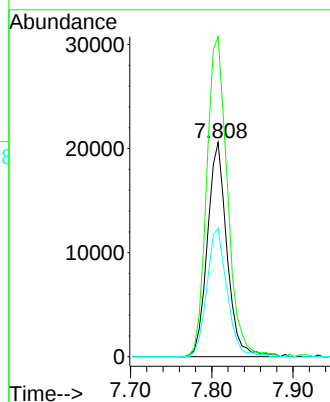
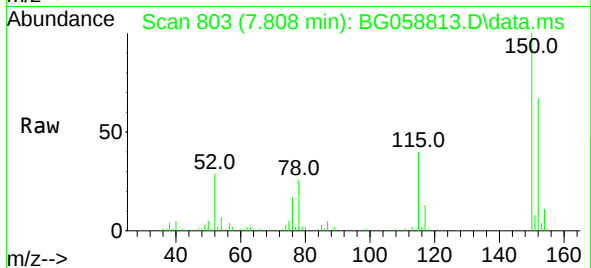
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.004 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Instrument :
BNA_G
ClientSampleId :
B-PP10ADL

Tgt Ion:152 Resp: 34274
Ion Ratio Lower Upper
152 100
150 149.4 128.6 192.8
115 59.8 50.4 75.6

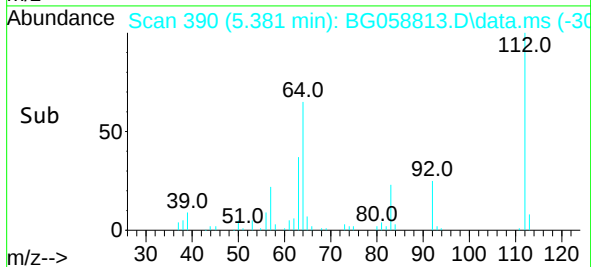
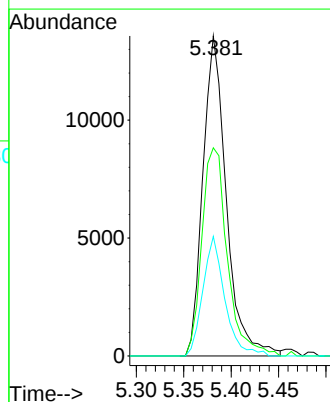
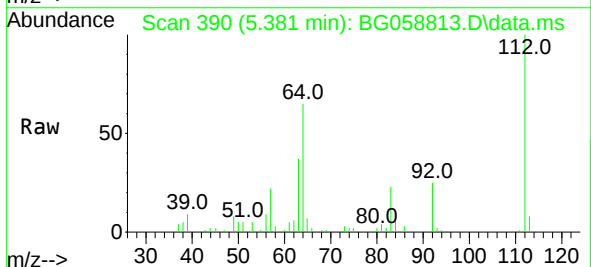
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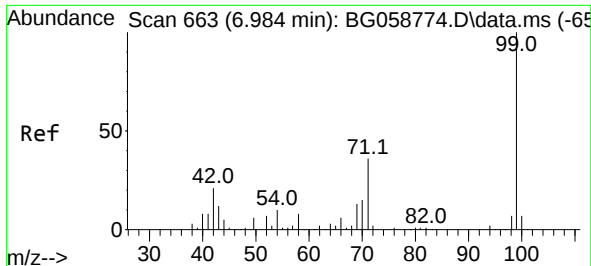
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#5
2-Fluorophenol
Concen: 10.966 ng
RT: 5.381 min Scan# 390
Delta R.T. 0.001 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Tgt Ion:112 Resp: 23355
Ion Ratio Lower Upper
112 100
64 65.1 60.6 90.8
63 37.4 31.0 46.4





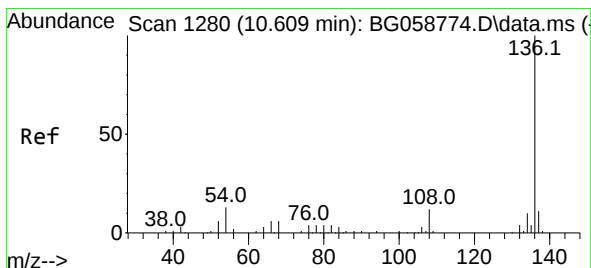
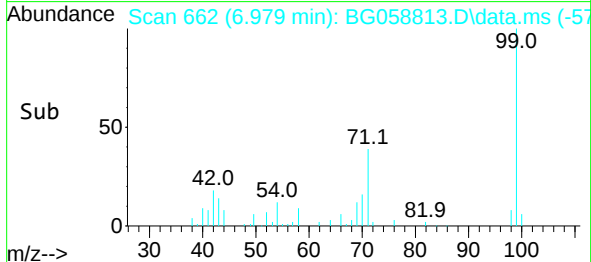
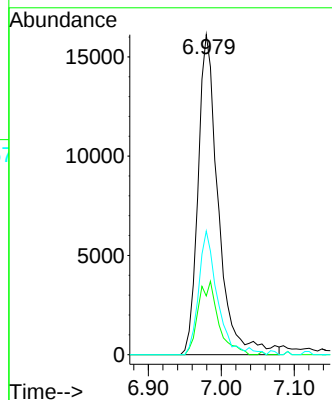
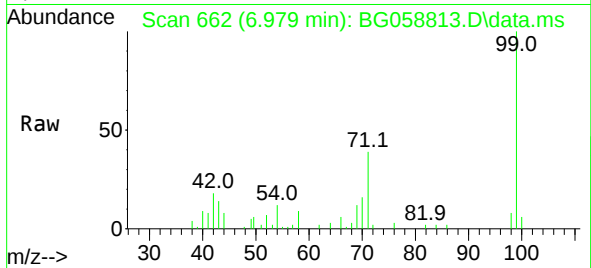
#7
Phenol-d6
Concen: 10.415 ng m
RT: 6.979 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Instrument :
BNA_G
ClientSampleId :
B-PP10ADL

Tgt Ion: 99 Resp: 3112
Ion Ratio Lower Upper
99 100
42 18.4 16.5 24.7
71 38.6 28.4 42.6

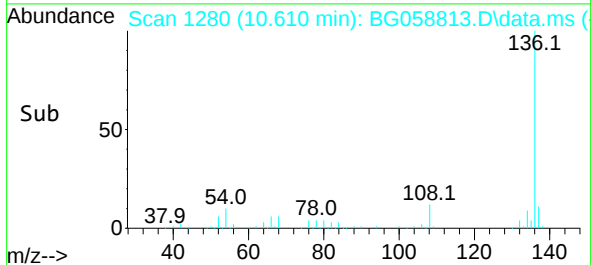
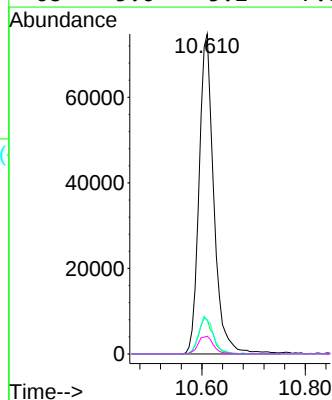
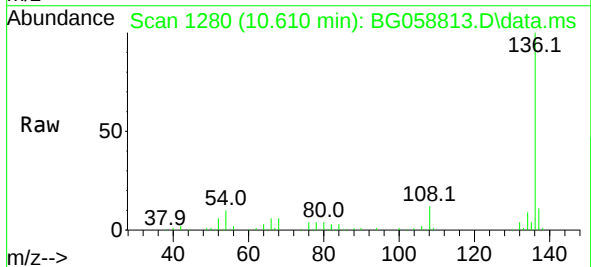
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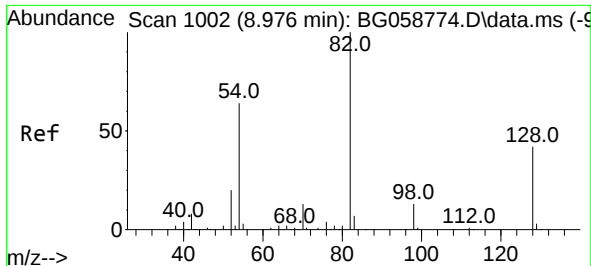
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1280
Delta R.T. 0.001 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Tgt Ion:136 Resp: 148007
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 10.3 10.1 15.1
68 5.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 6.148 ng

RT: 8.977 min Scan# 1002

Delta R.T. 0.001 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

Instrument :

BNA_G

ClientSampleId :

B-PP10ADL

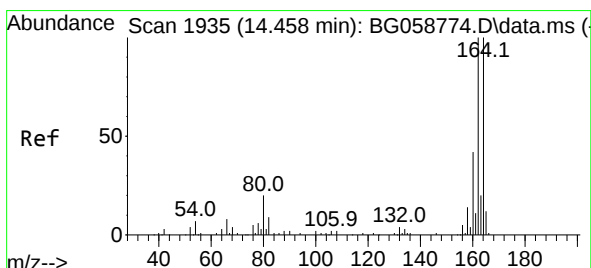
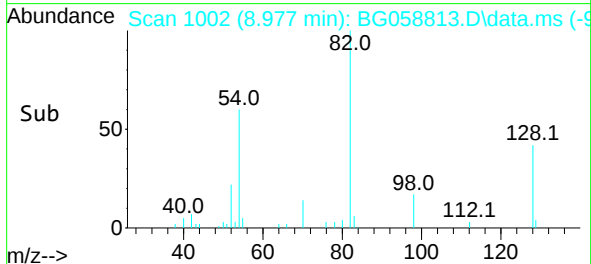
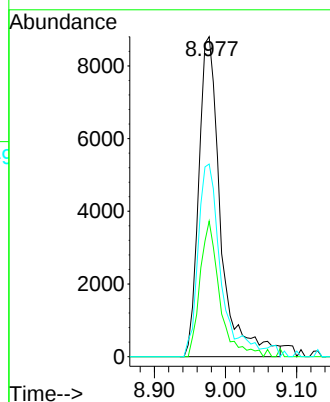
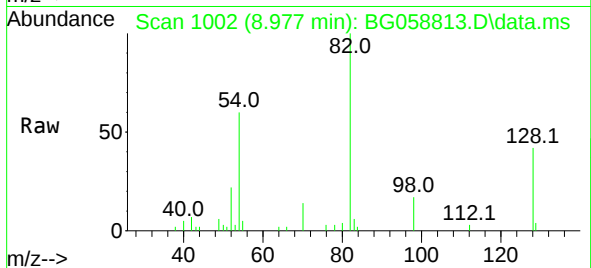
Tgt Ion: 82	Resp: 1892
Ion Ratio	Lower Upper
82 100	
128 42.3	33.2 49.8
54 60.2	51.2 76.8

Manual Integrations

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Supervised By :mohammad ahmed 08/24/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

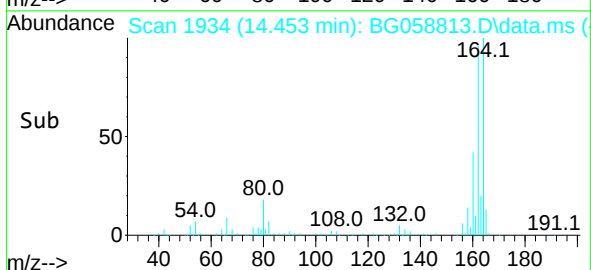
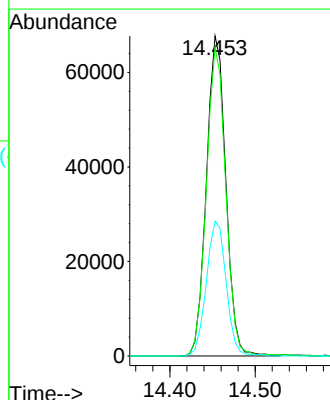
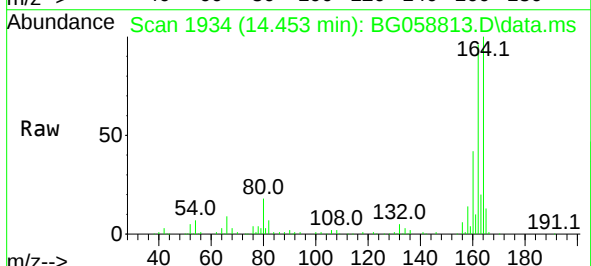
RT: 14.453 min Scan# 1934

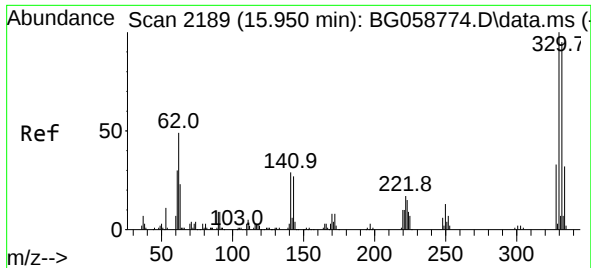
Delta R.T. -0.005 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

Tgt Ion:164	Resp: 107032
Ion Ratio	Lower Upper
164 100	
162 96.4	79.6 119.4
160 42.1	34.0 51.0





#42
2,4,6-Tribromophenol
Concen: 9.291 ng
RT: 15.951 min Scan# 2189
Delta R.T. 0.001 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Instrument :

BNA_G

ClientSampleId :

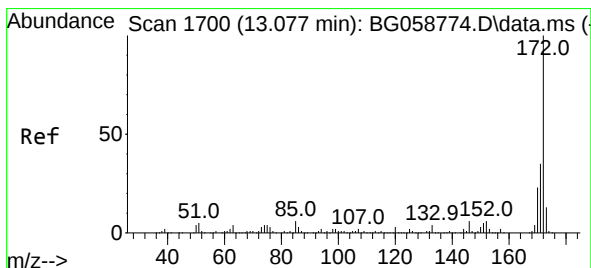
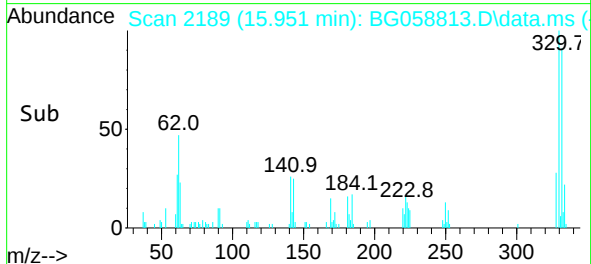
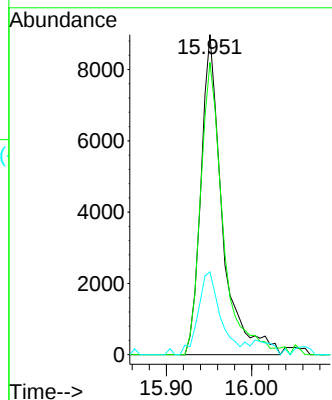
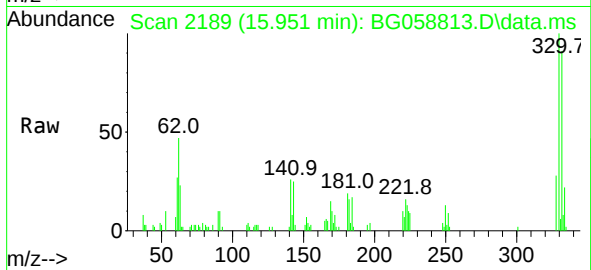
B-PP10ADL

Tgt Ion:330 Resp: 15592
Ion Ratio Lower Upper
330 100
332 96.3 78.5 117.7
141 26.7 23.0 34.6

Manual Integrations

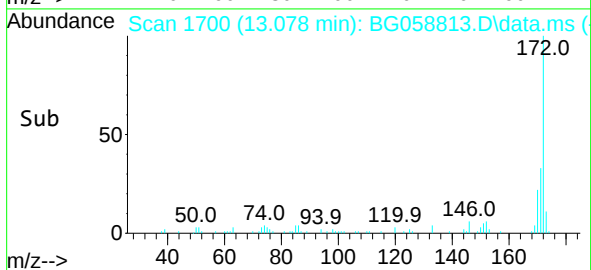
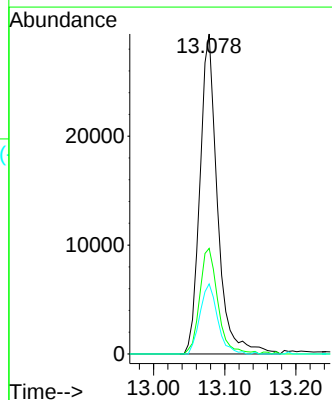
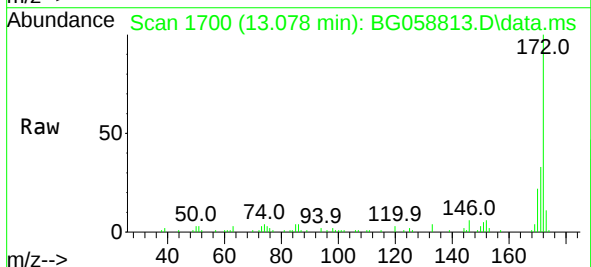
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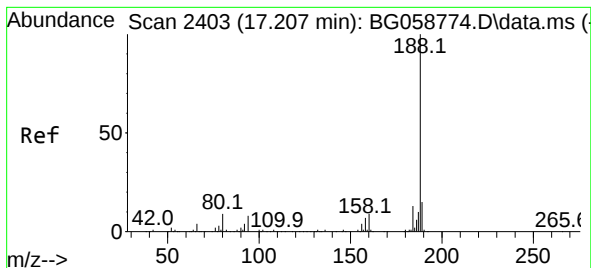
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#45
2-Fluorobiphenyl
Concen: 6.870 ng
RT: 13.078 min Scan# 1700
Delta R.T. 0.001 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Tgt Ion:172 Resp: 50552
Ion Ratio Lower Upper
172 100
171 33.0 28.1 42.1
170 21.9 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.203 min Scan# 2403

Delta R.T. -0.005 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

Instrument :

BNA_G

ClientSampleId :

B-PP10ADL

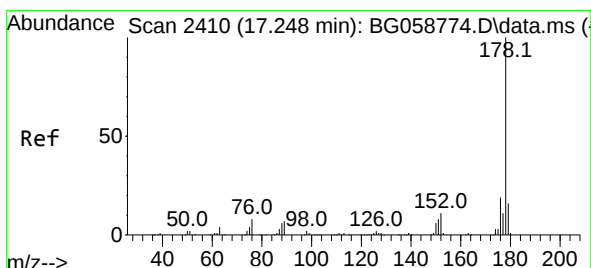
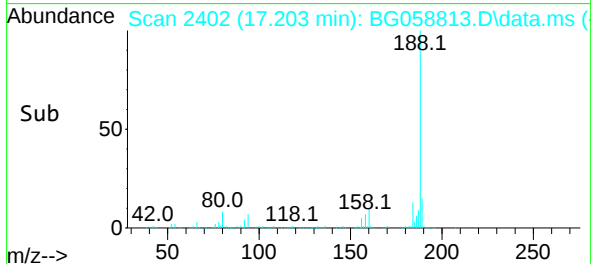
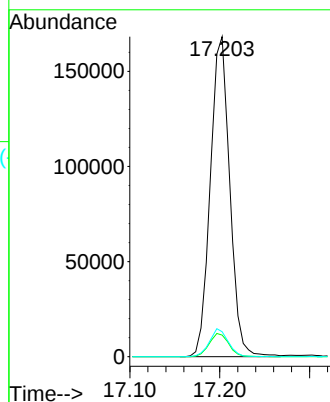
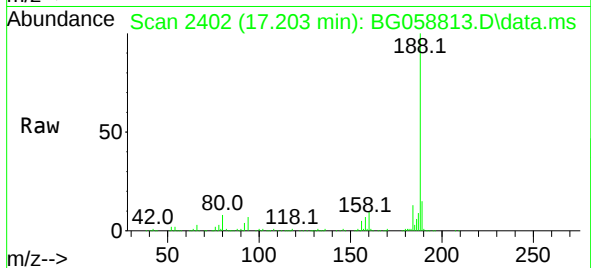
Tgt Ion:188	Resp: 25312
Ion Ratio	Lower Upper
188 100	
94 6.8	6.1 9.1
80 7.8	6.9 10.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/24/2023

Supervised By :mohammad ahmed 08/24/2023



#71

Phenanthrene

Concen: 17.152 ng

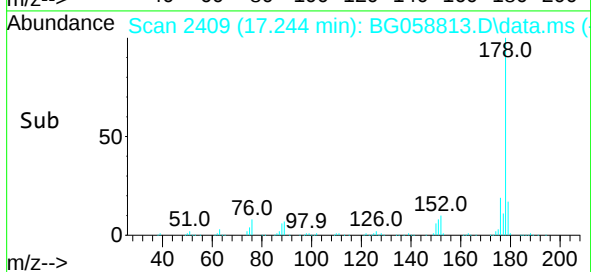
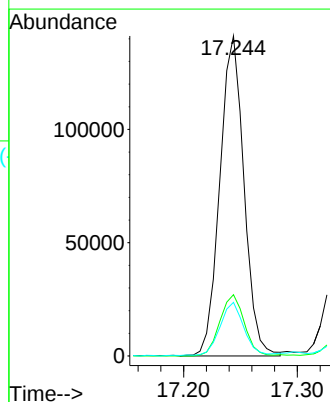
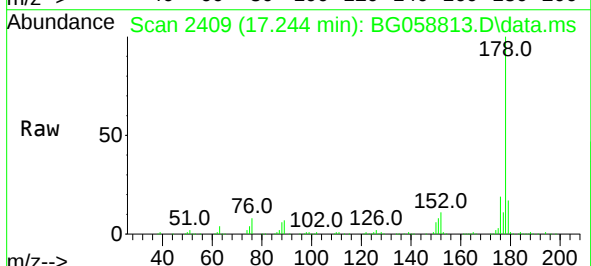
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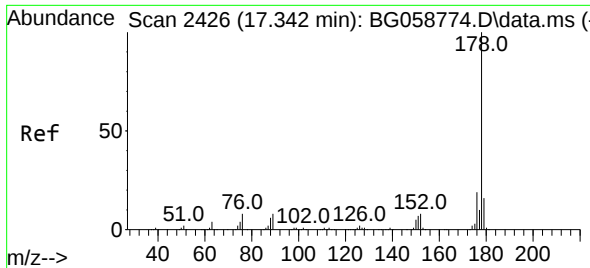
Delta R.T. -0.005 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

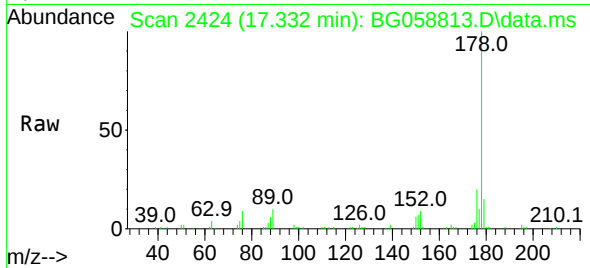
Tgt Ion:178	Resp: 208428
Ion Ratio	Lower Upper
178 100	
176 19.2	15.5 23.3
179 16.8	13.0 19.4





#72
 Anthracene
 Concen: 4.536 ng
 RT: 17.332 min Scan# 2426
 Delta R.T. -0.011 min
 Lab File: BG058813.D
 Acq: 22 Aug 2023 18:28

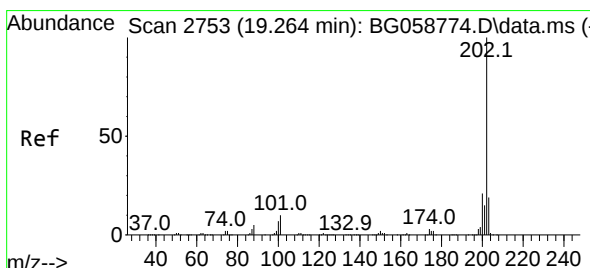
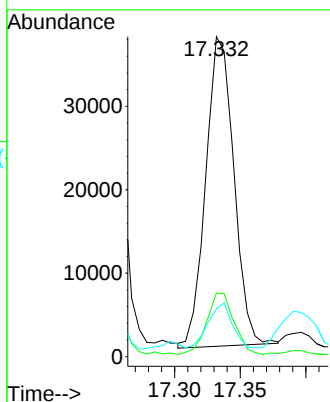
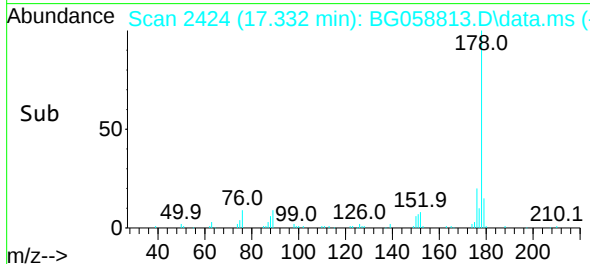
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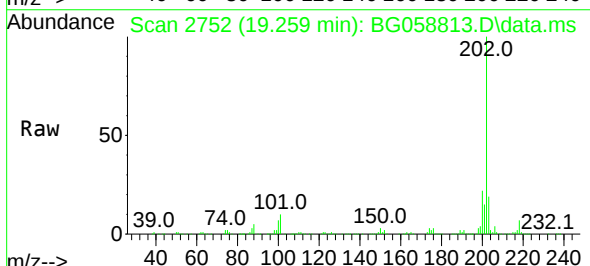
Tgt Ion:178 Resp: 5527
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.2
 179 15.0 12.9 19.3

Manual Integrations
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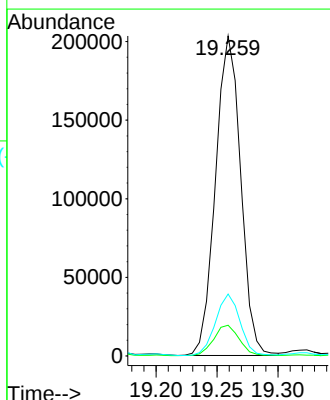
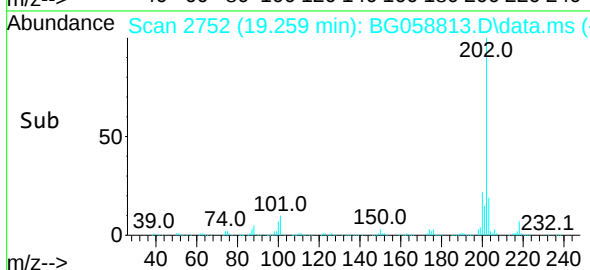
Reviewed By :Yogesh Patel 08/24/2023
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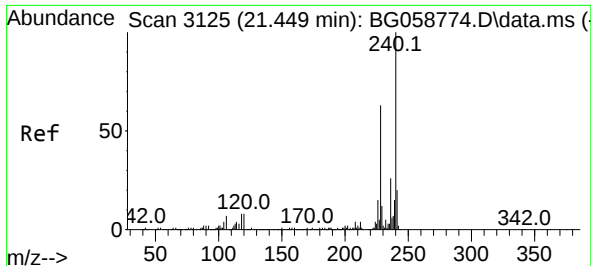


#75
 Fluoranthene
 Concen: 19.409 ng
 RT: 19.259 min Scan# 2752
 Delta R.T. -0.005 min
 Lab File: BG058813.D
 Acq: 22 Aug 2023 18:28



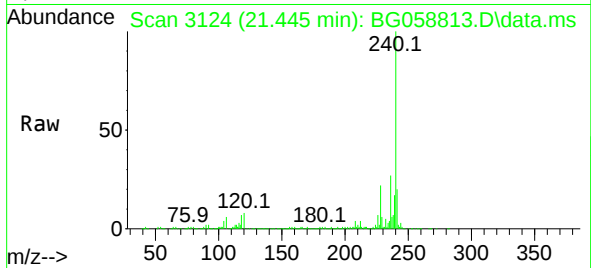
Tgt Ion:202 Resp: 292478
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.7
 203 19.3 0.0 38.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3125
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

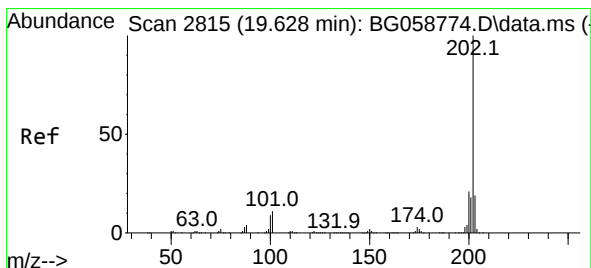
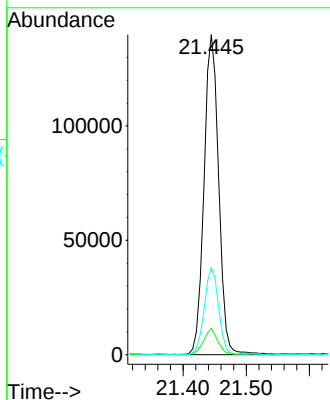
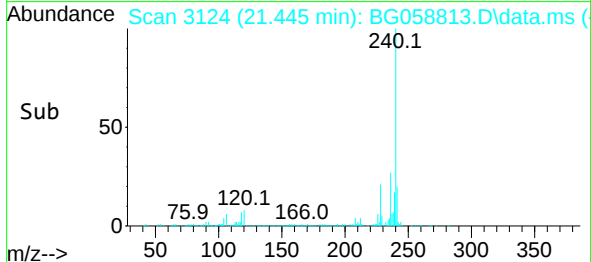
Instrument :
BNA_G
ClientSampleId :
B-PP10ADL



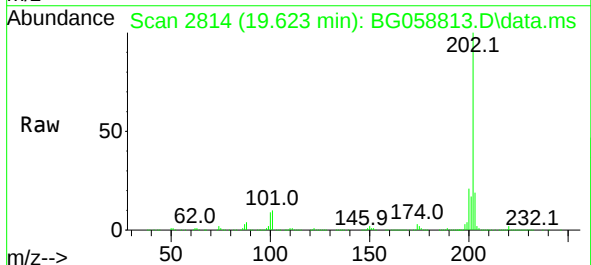
Tgt Ion:240 Resp: 226398
Ion Ratio Lower Upper
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120 8.2 6.2 9.2
236 27.2 20.5 30.7

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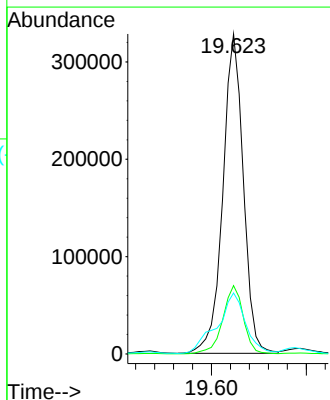
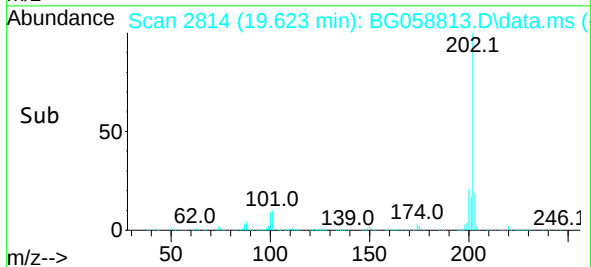
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

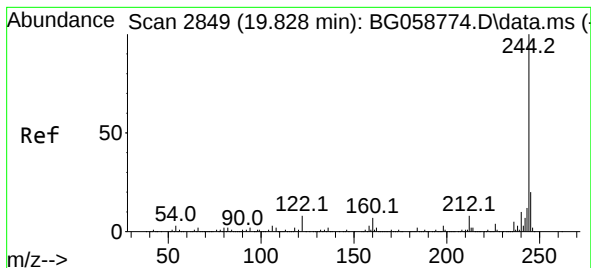


#78
Pyrene
Concen: 31.190 ng
RT: 19.623 min Scan# 2814
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28



Tgt Ion:202 Resp: 492017
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 19.0 15.3 22.9





#79

Terphenyl-d14

Concen: 7.461 ng

RT: 19.817 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

Instrument :

BNA_G

ClientSampleId :

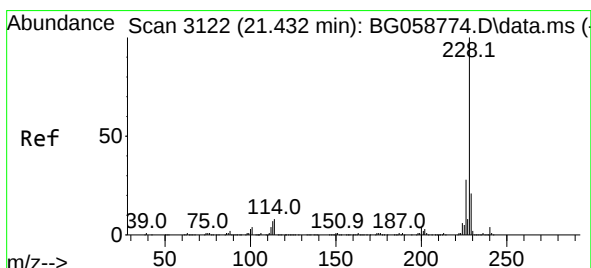
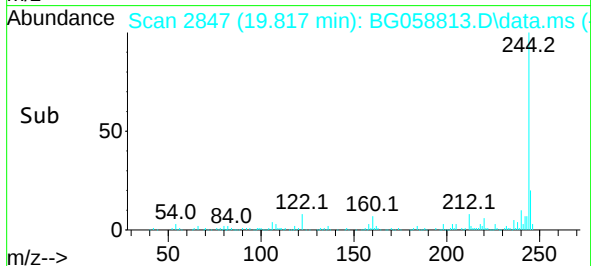
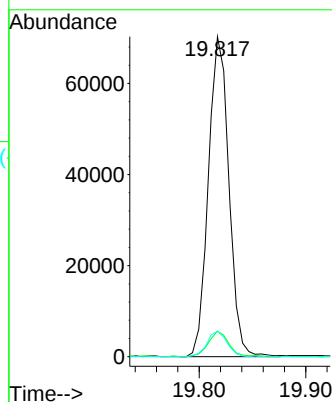
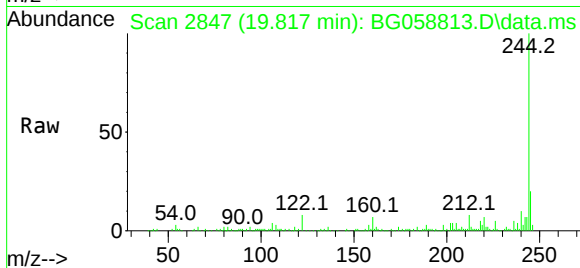
B-PP10ADL

Tgt Ion:244	Resp:	94070
Ion Ratio	Lower	Upper
244	100	
212	8.0	6.2 9.2
122	8.0	6.3 9.5

Manual Integrations

APPROVED

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



#81

Benzo(a)anthracene

Concen: 14.557 ng

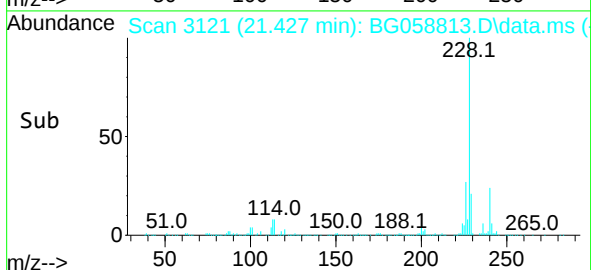
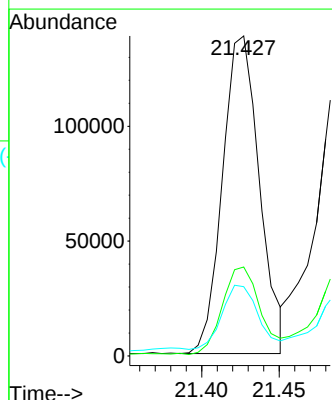
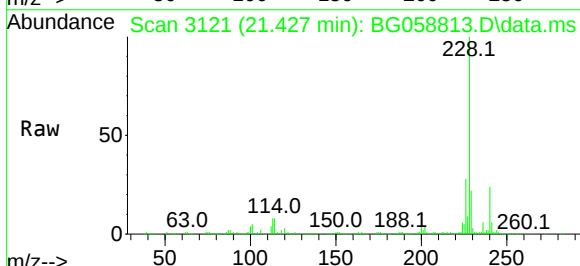
RT: 21.427 min Scan# 3121

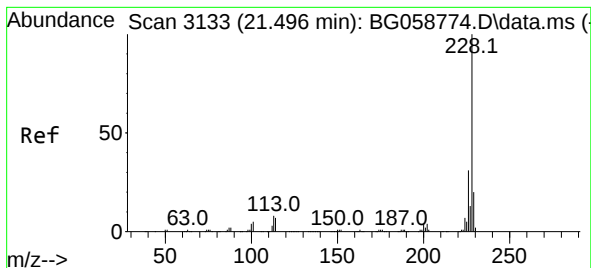
Delta R.T. -0.005 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

Tgt Ion:228	Resp:	229416
Ion Ratio	Lower	Upper
228	100	
226	27.8	22.6 33.8
229	21.6	16.8 25.2





#83

Chrysene

Concen: 15.075 ng

RT: 21.486 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

Instrument :

BNA_G

ClientSampleId :

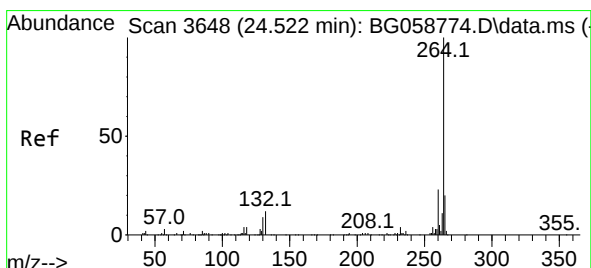
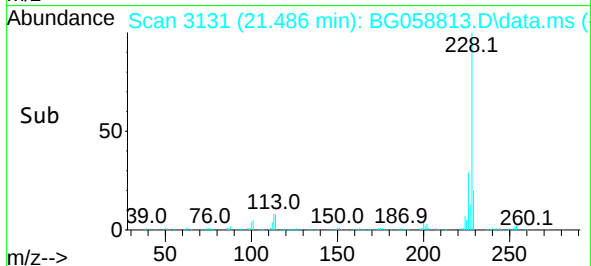
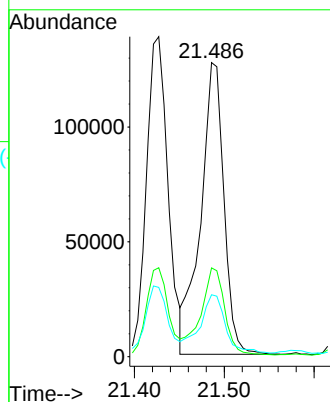
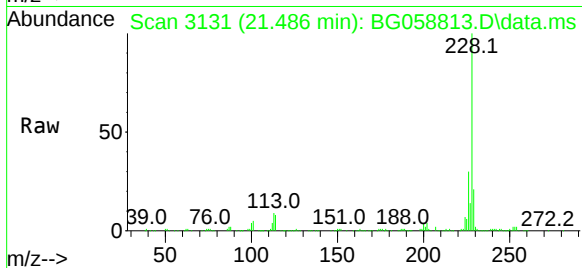
B-PP10ADL

Tgt Ion:228 Resp: 228990
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.4 36.6
 229 21.0 16.3 24.5

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

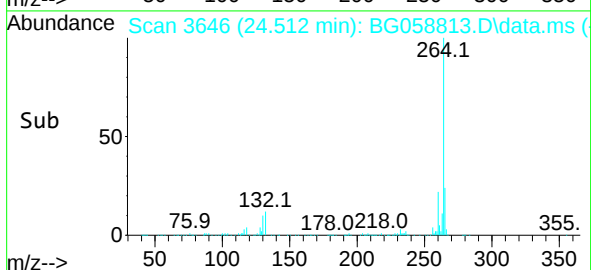
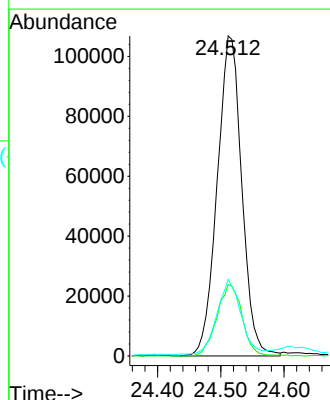
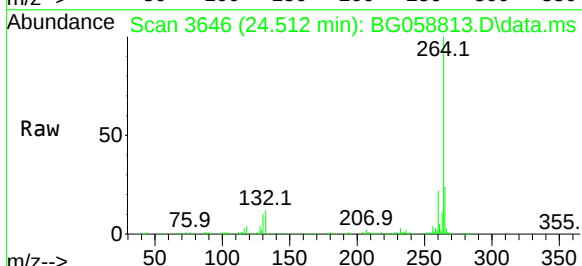
RT: 24.512 min Scan# 3646

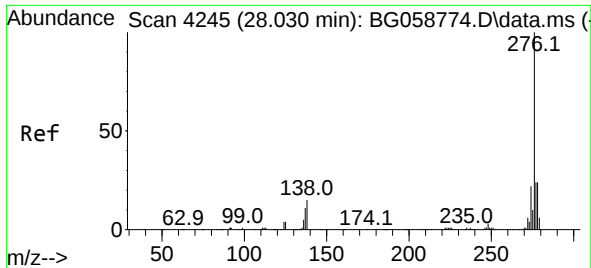
Delta R.T. -0.011 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

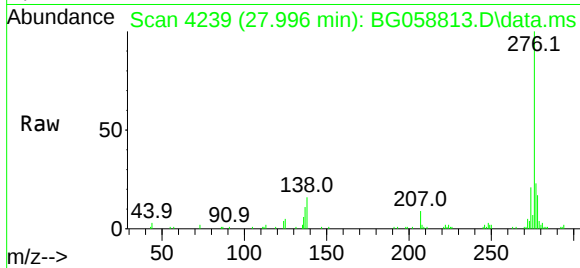
Tgt Ion:264 Resp: 288626
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.2 27.2
 265 23.9 16.4 24.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.584 ng
RT: 27.996 min Scan# 41
Delta R.T. -0.034 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

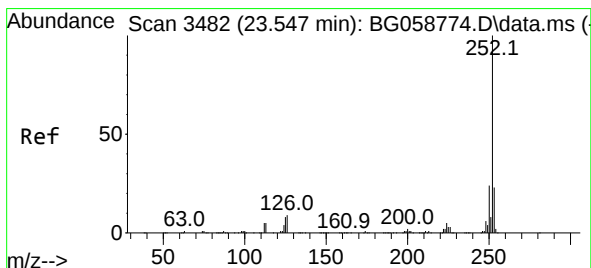
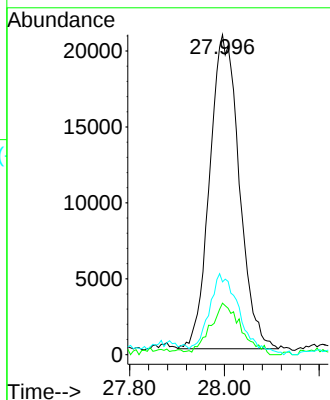
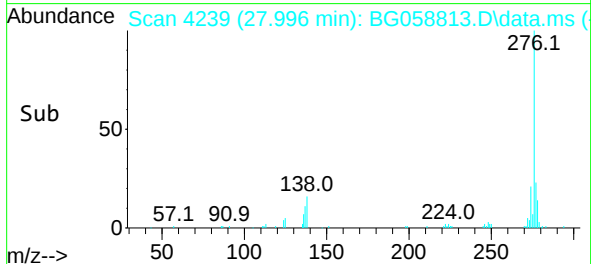
Instrument :
BNA_G
ClientSampleId :
B-PP10ADL



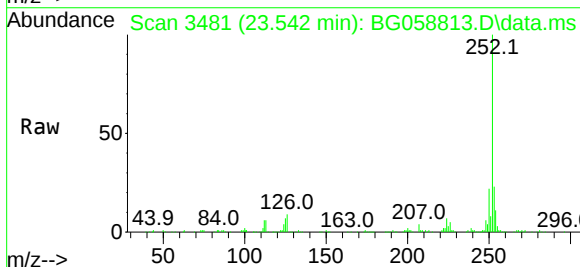
Tgt Ion:276 Resp: 8952
Ion Ratio Lower Upper
276 100
138 17.2 6.2 9.2
277 26.8 20.4 30.6

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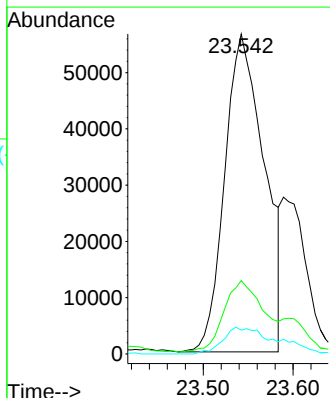
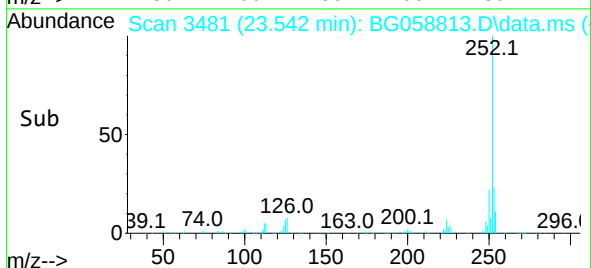
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

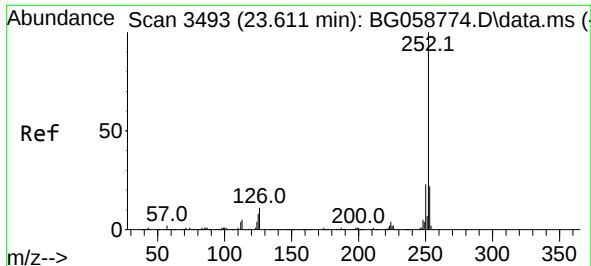


#88
Benzo(b)fluoranthene
Concen: 10.808 ng
RT: 23.542 min Scan# 3481
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28



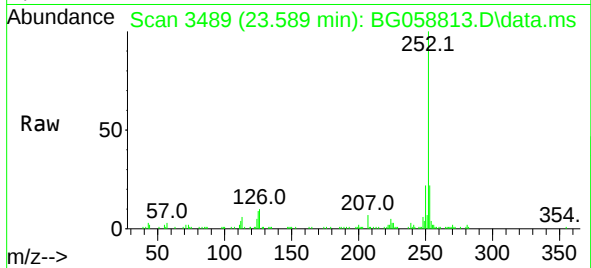
Tgt Ion:252 Resp: 173090
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 7.5 6.2 9.2





#89
Benzo(k)fluoranthene
Concen: 3.064 ng m
RT: 23.589 min Scan# 3493
Delta R.T. -0.022 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

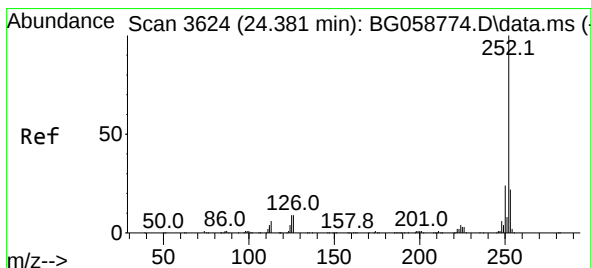
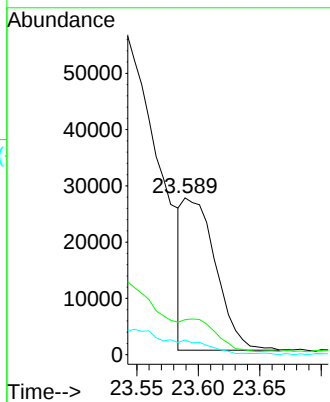
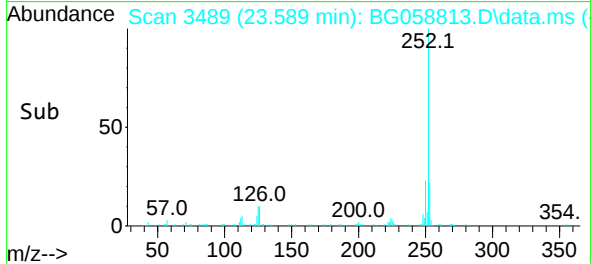
Instrument :
BNA_G
ClientSampleId :
B-PP10ADL



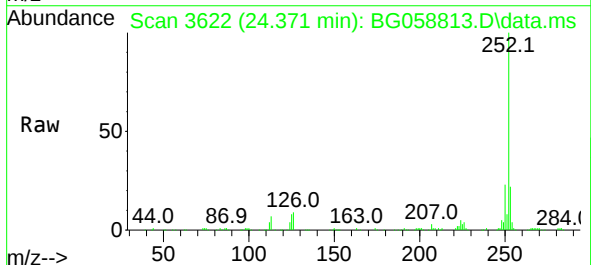
Tgt Ion:252 Resp: 50612
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.4 6.3 9.5

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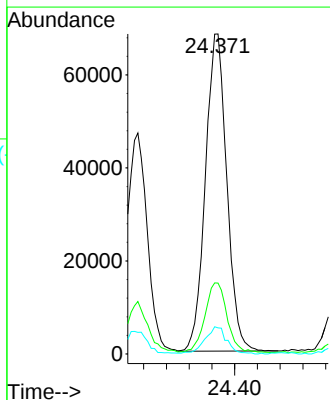
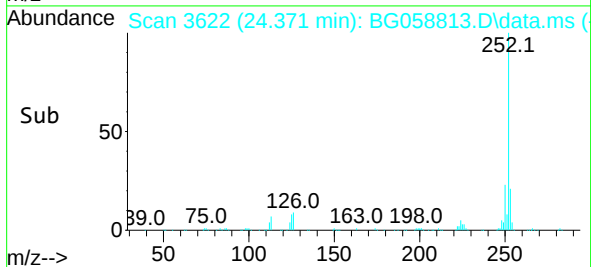
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

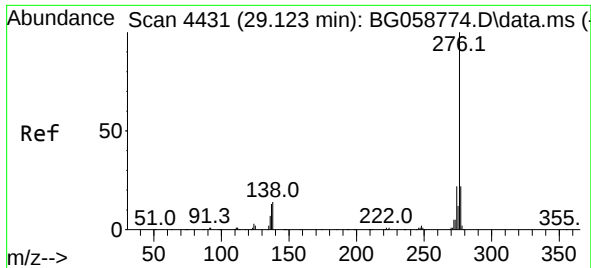


#90
Benzo(a)pyrene
Concen: 11.280 ng
RT: 24.371 min Scan# 3622
Delta R.T. -0.011 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28



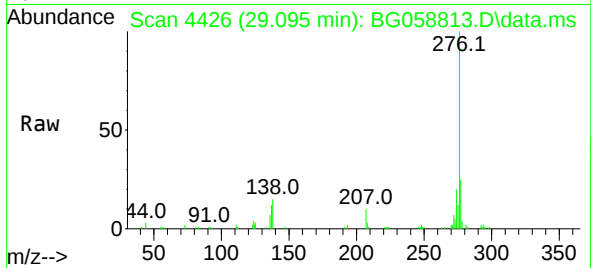
Tgt Ion:252 Resp: 177871
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 8.1 6.8 10.2





#92
Benzo(g,h,i)perylene
Concen: 6.906 ng
RT: 29.095 min Scan# 44
Delta R.T. -0.028 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Instrument :
BNA_G
ClientSampleId :
B-PP10ADL



Tgt Ion:276 Resp: 11079
Ion Ratio Lower Upper
276 100
277 24.5 17.8 26.6
138 15.0 11.1 16.7

Manual Integrations
APPROVED

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

