

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058888.D
 Acq On : 29 Aug 2023 15:23
 Operator : MA/JU
 Sample : 04169-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-082423

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

Quant Time: Aug 29 16:07:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 14:27:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.785	152	21587	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	94139	20.000	ng	# 0.00
39) Acenaphthene-d10	14.436	164	63977	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	131354	20.000	ng	0.00
76) Chrysene-d12	21.428	240	109064	20.000	ng	0.00
86) Perylene-d12	24.489	264	137298	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	87389	65.146	ng	0.00
7) Phenol-d6	6.962	99	124358	66.076	ng	0.00
23) Nitrobenzene-d5	8.948	82	77117	39.384	ng	0.00
42) 2,4,6-Tribromophenol	15.928	330	59426	59.240	ng	0.00
45) 2-Fluorobiphenyl	13.055	172	181849	41.342	ng	0.00
79) Terphenyl-d14	19.806	244	271547	44.707	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.488	166	9390	2.055	ng	95
71) Phenanthrene	17.227	178	162632	25.790	ng	98
72) Anthracene	17.315	178	34791	5.501	ng	97
75) Fluoranthene	19.248	202	472173	60.380	ng	98
78) Pyrene	19.612	202	467594	61.532	ng	99
81) Benzo(a)anthracene	21.410	228	271458	35.756	ng	98
83) Chrysene	21.475	228	253293	34.614	ng	98
87) Indeno(1,2,3-cd)pyrene	27.973	276	162069	17.447	ng	# 91
88) Benzo(b)fluoranthene	23.525	252	348641	45.765	ng	98
89) Benzo(k)fluoranthene	23.578	252	135098m	17.196	ng	
90) Benzo(a)pyrene	24.342	252	269759	35.963	ng	99
91) Dibenzo(a,h)anthracene	28.008	278	40523	5.309	ng	# 85
92) Benzo(g,h,i)perylene	29.066	276	149459	19.584	ng	97

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

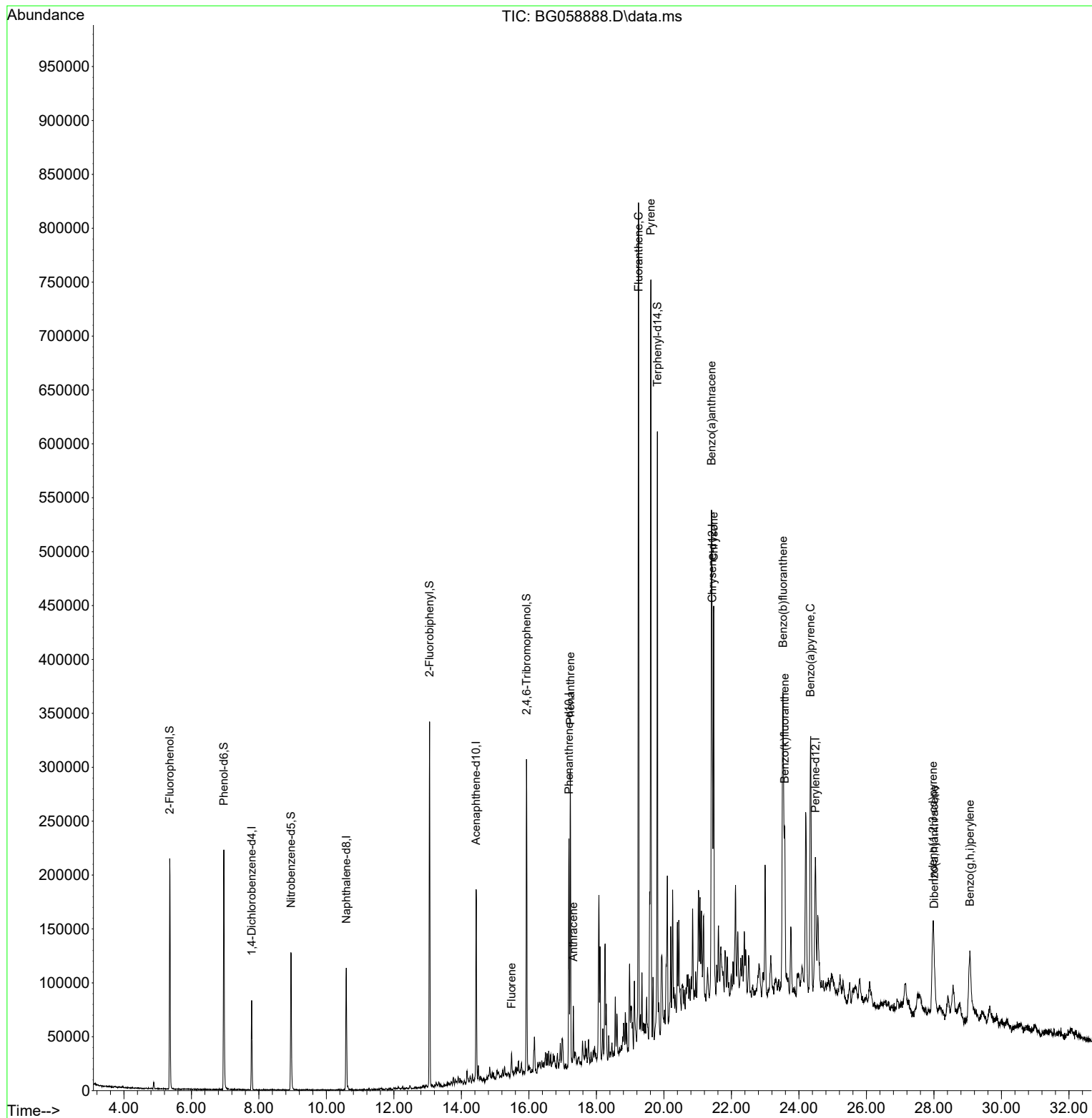
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058888.D
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ALS Vial : 7 Sample Multiplier: 1

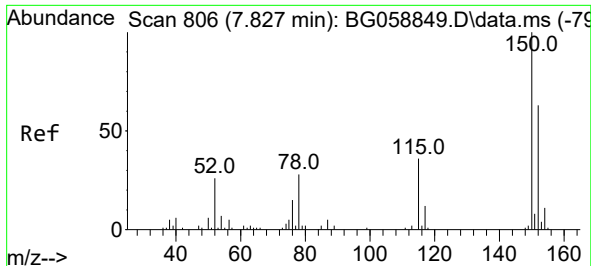
Instrument :
BNA_G
ClientSampleId :
PL-01-082423

Quant Time: Aug 29 16:07:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
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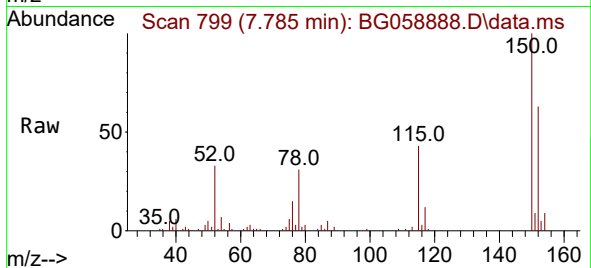
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.785 min Scan# 799
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423

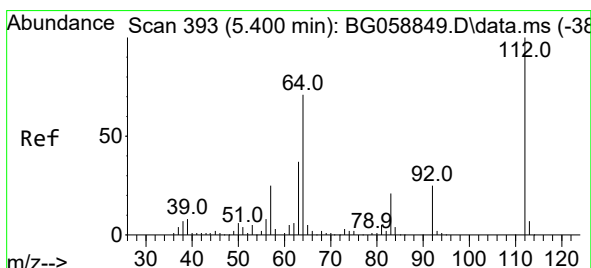
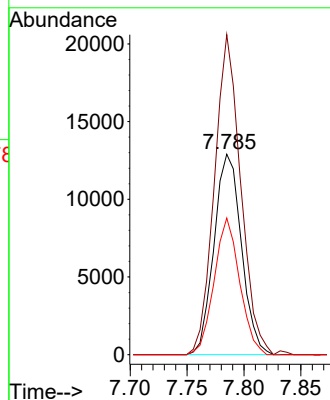
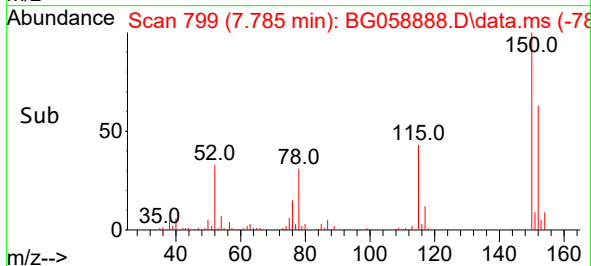


Tgt Ion:152 Resp: 2158
Ion Ratio Lower Upper
152 100
150 159.7 128.6 192.8
115 68.2 50.4 75.6

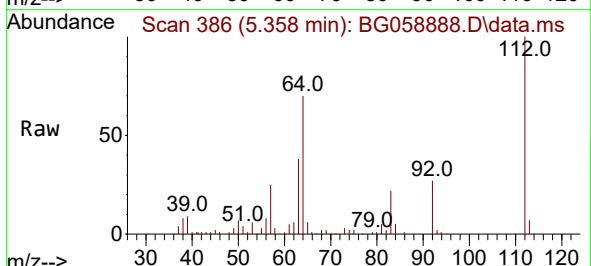
Manual Integrations

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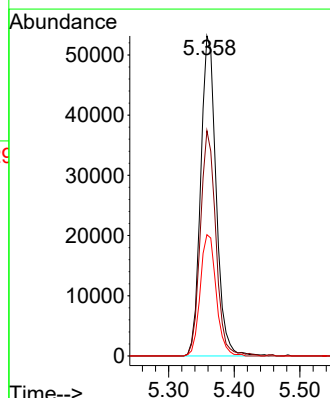
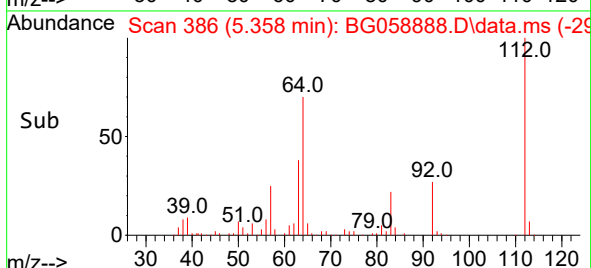
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

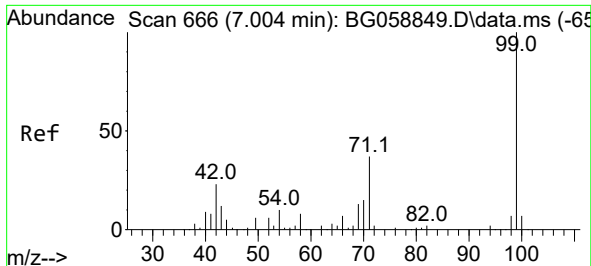


#5
2-Fluorophenol
Concen: 65.146 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.002 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23



Tgt Ion:112 Resp: 87389
Ion Ratio Lower Upper
112 100
64 70.4 60.6 90.8
63 37.9 31.0 46.4





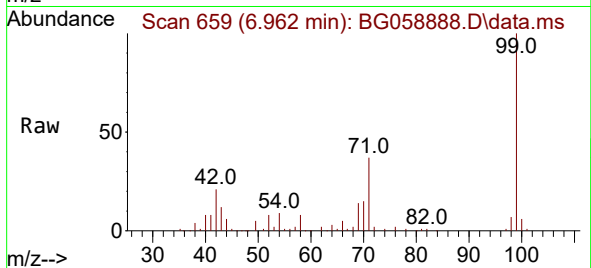
#7
Phenol-d6
Concen: 66.076 ng
RT: 6.962 min Scan# 612
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423



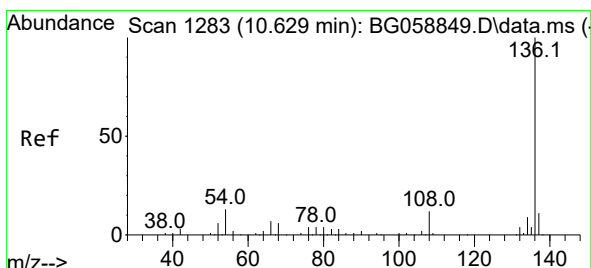
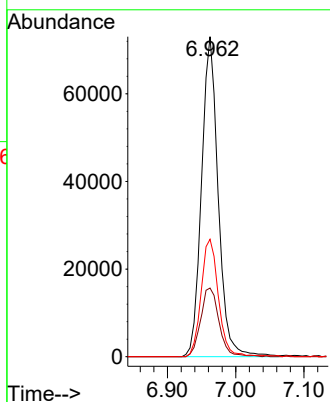
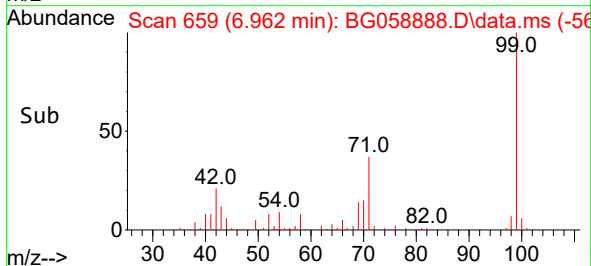
Tgt Ion: 99 Resp: 124358
Ion Ratio Lower Upper
99 100
42 21.4 16.5 24.7
71 36.7 28.4 42.6

Manual Integrations

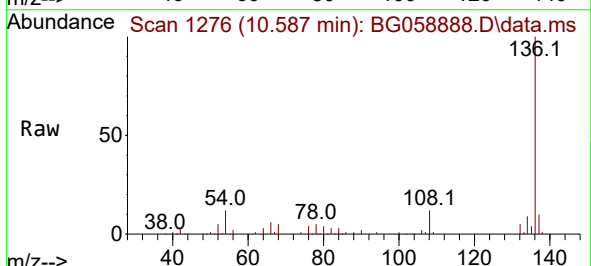
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Reviewed By :Yogesh Patel 08/30/2023

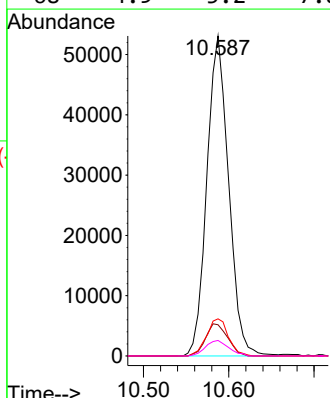
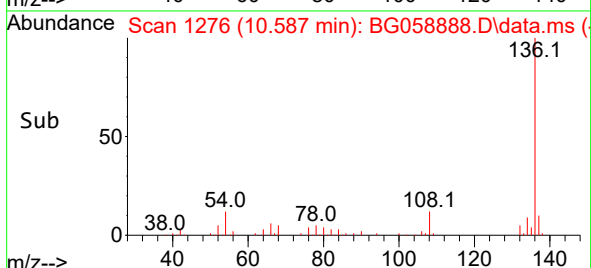
Supervised By :mohammad ahmed 08/30/2023

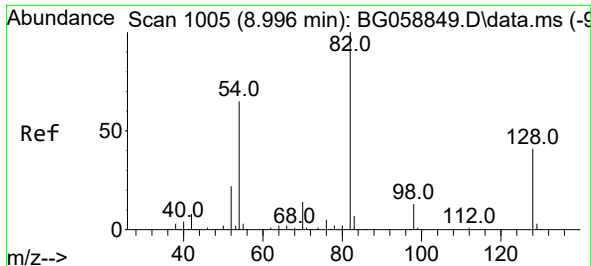


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1276
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23



Tgt Ion:136 Resp: 94139
Ion Ratio Lower Upper
136 100
137 9.7 8.7 13.1
54 11.6 10.1 15.1
68 4.9 5.2 7.8#





#23
Nitrobenzene-d5
Concen: 39.384 ng
RT: 8.948 min Scan# 911
Delta R.T. -0.010 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

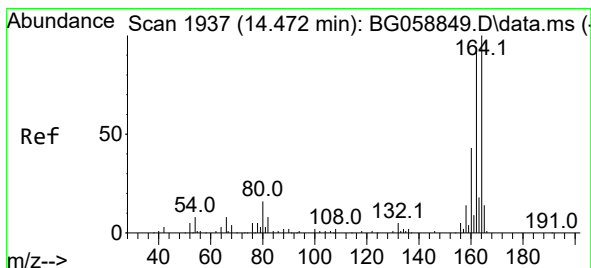
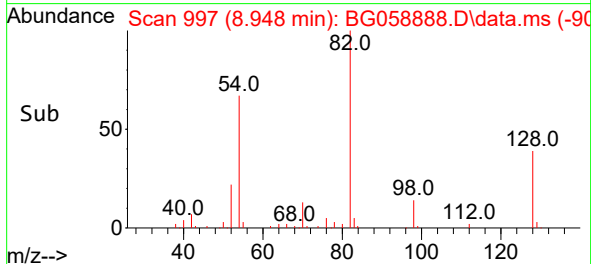
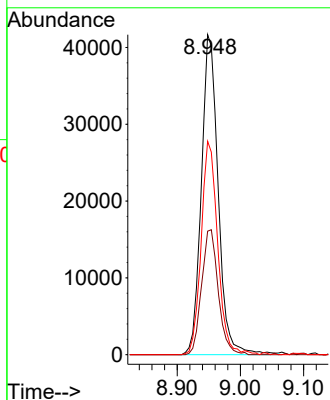
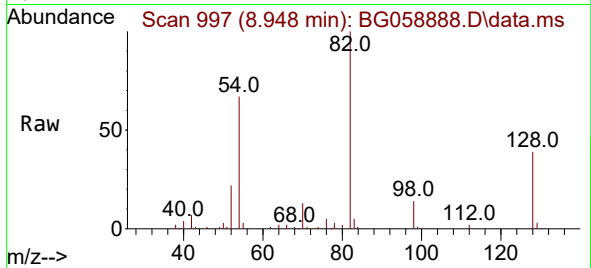
ClientSampleId :

PL-01-082423

Tgt Ion: 82 Resp: 7711
Ion Ratio Lower Upper
82 100
128 38.6 33.2 49.8
54 66.7 51.2 76.8

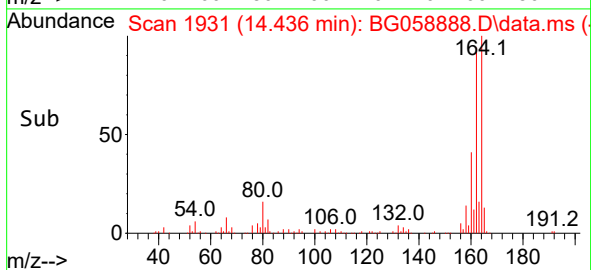
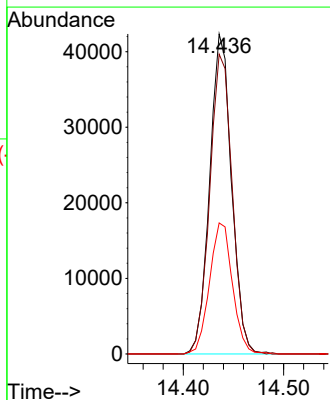
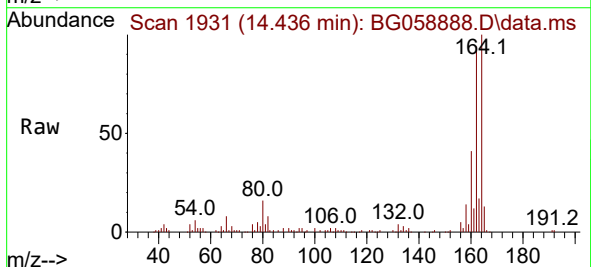
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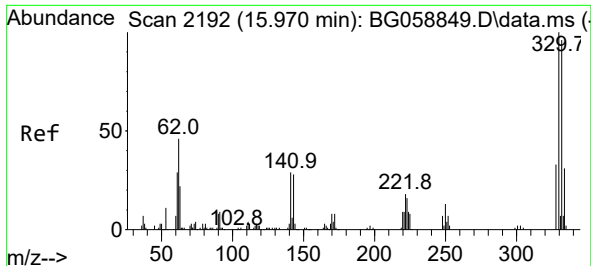
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.436 min Scan# 1931
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Tgt Ion:164 Resp: 63977
Ion Ratio Lower Upper
164 100
162 93.7 79.6 119.4
160 40.9 34.0 51.0





#42
2,4,6-Tribromophenol
Concen: 59.240 ng
RT: 15.928 min Scan# 2192
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

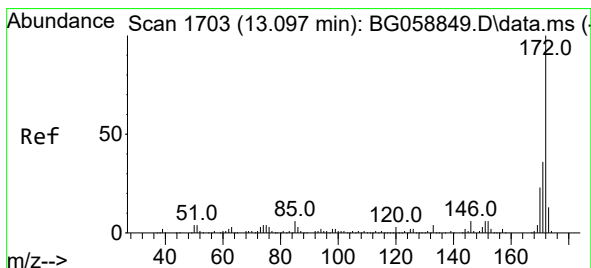
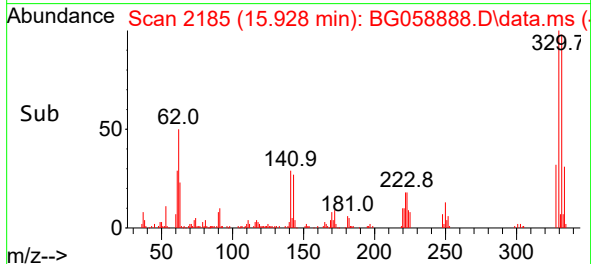
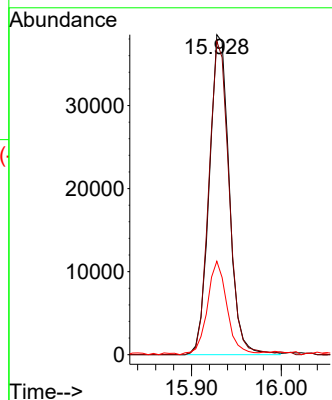
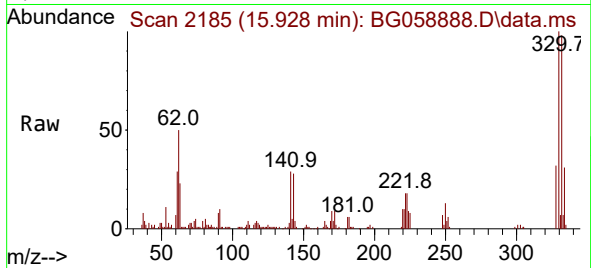
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Tgt Ion:330 Resp: 59420
Ion Ratio Lower Upper
330 100
332 98.4 78.5 117.7
141 28.9 23.0 34.6

Manual Integrations

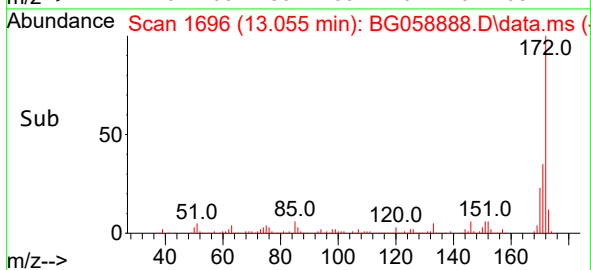
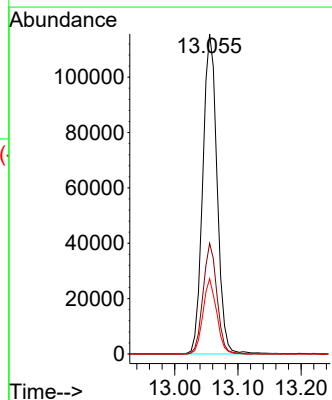
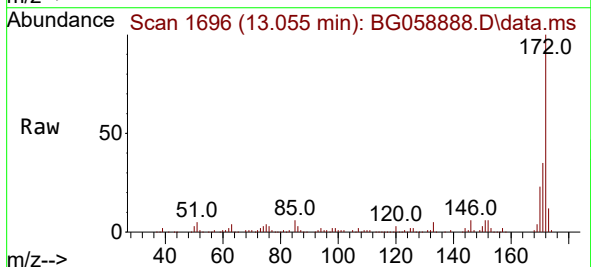
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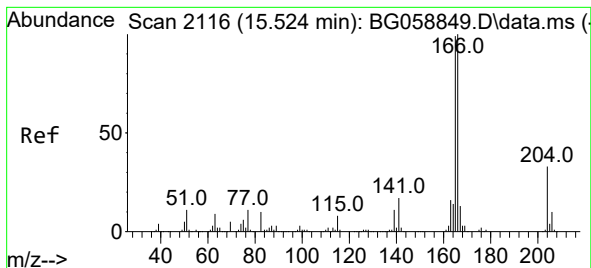
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#45
2-Fluorobiphenyl
Concen: 41.342 ng
RT: 13.055 min Scan# 1696
Delta R.T. -0.004 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Tgt Ion:172 Resp: 181849
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.5 18.6 27.8





#58

Fluorene

Concen: 2.055 ng

RT: 15.488 min Scan# 2116

Delta R.T. -0.004 min

Lab File: BG058888.D

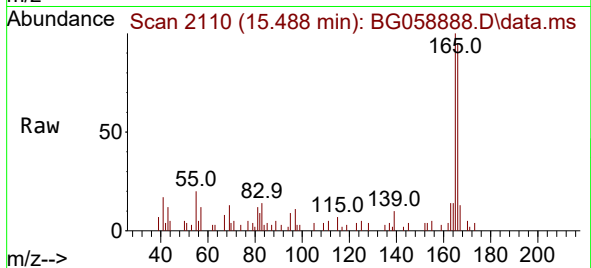
Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423



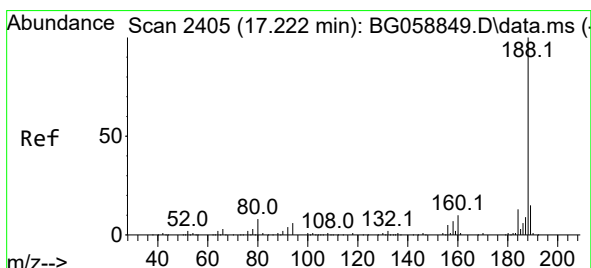
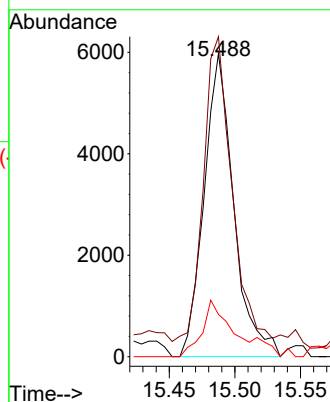
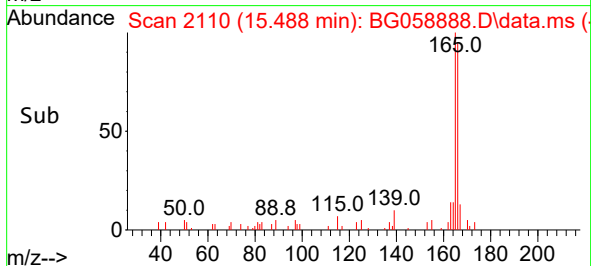
Tgt Ion:	166	Resp:	9390
Ion Ratio	Lower	Upper	
166	100		
165	105.6	79.9	119.9
167	13.9	10.7	16.1

Manual Integrations

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Supervised By :mohammad ahmed 08/30/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

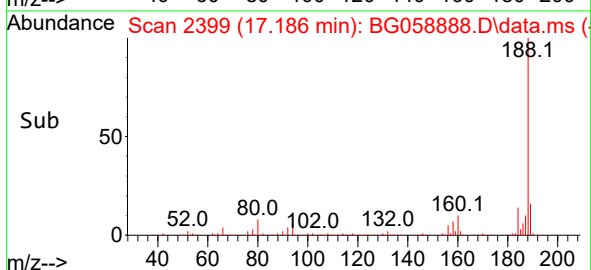
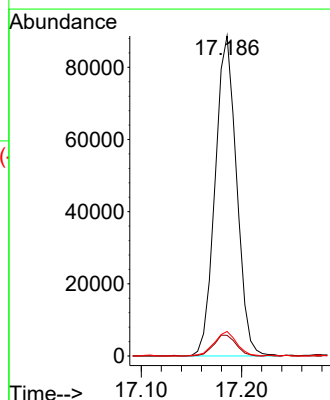
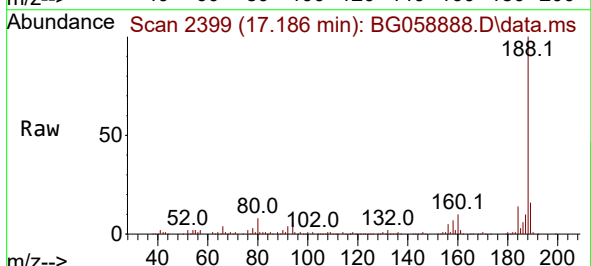
RT: 17.186 min Scan# 2399

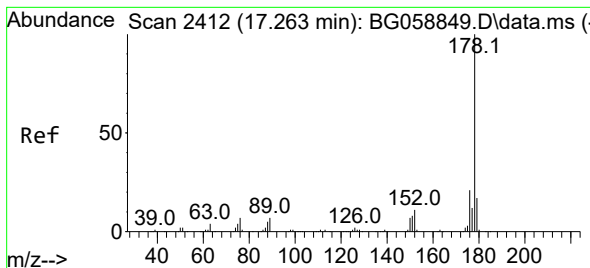
Delta R.T. 0.002 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

Tgt Ion:	188	Resp:	131354
Ion Ratio	Lower	Upper	
188	100		
94	6.4	6.1	9.1
80	7.7	6.9	10.3





#71

Phenanthrene

Concen: 25.790 ng

RT: 17.227 min Scan# 2412

Delta R.T. -0.004 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:178 Resp: 16263

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

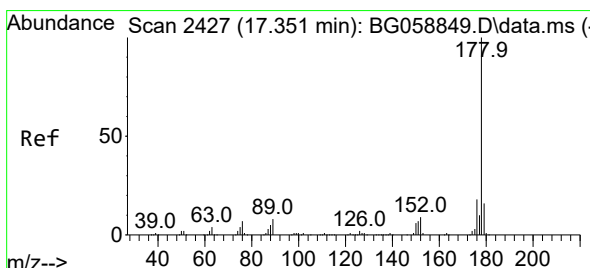
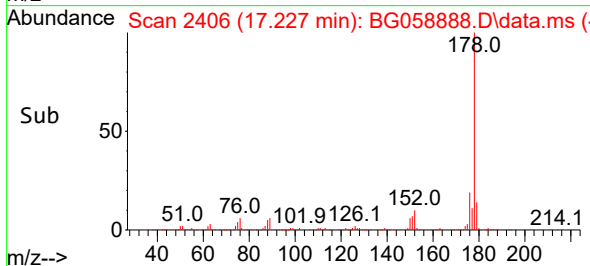
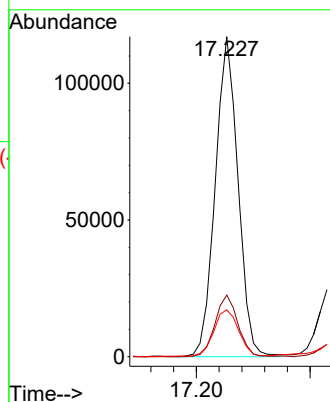
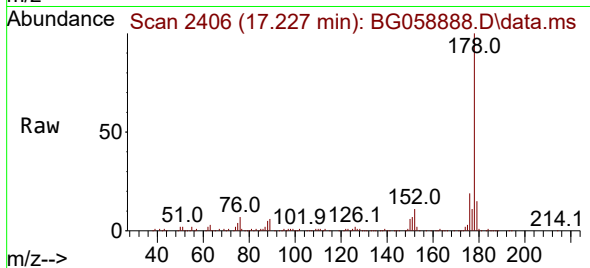
179 14.6 13.0 19.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#72

Anthracene

Concen: 5.501 ng

RT: 17.315 min Scan# 2421

Delta R.T. -0.004 min

Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

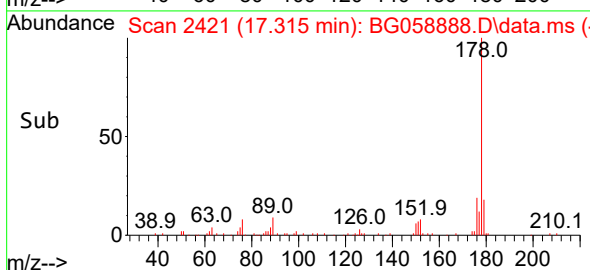
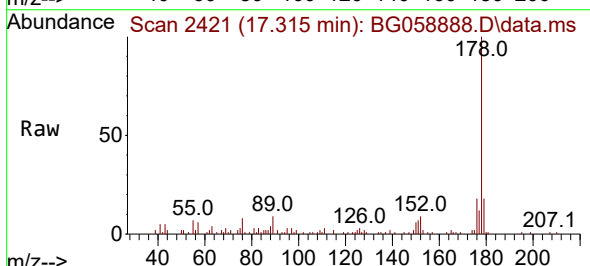
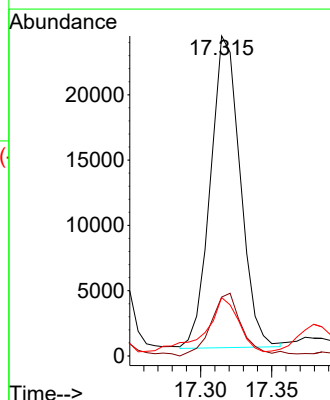
Tgt Ion:178 Resp: 34791

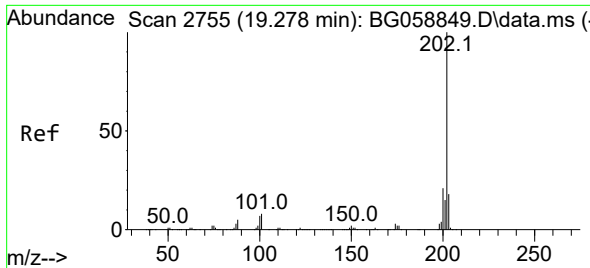
Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

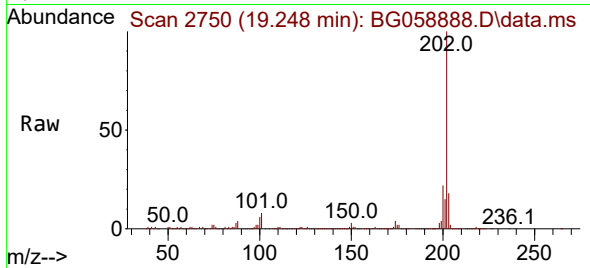
179 18.2 12.9 19.3





#75
Fluoranthene
Concen: 60.380 ng
RT: 19.248 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

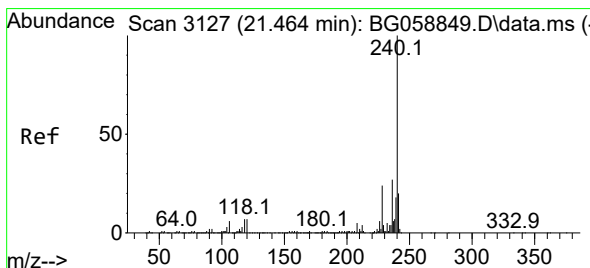
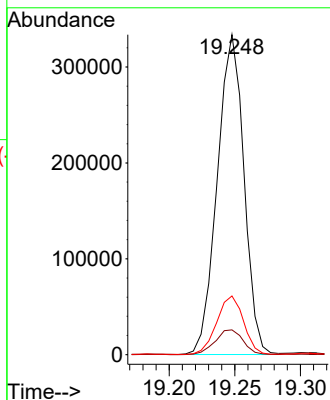
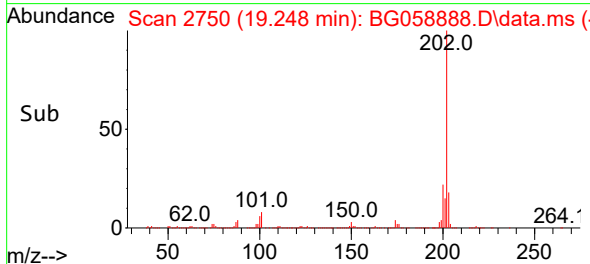
Instrument :
BNA_G
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PL-01-082423



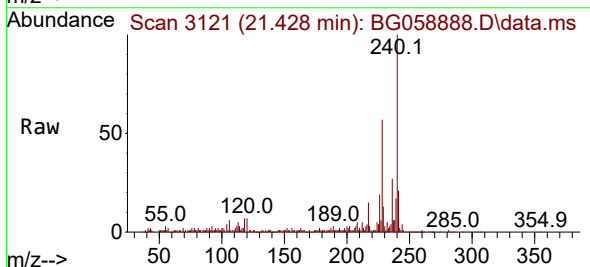
Tgt Ion:202 Resp: 47217
Ion Ratio Lower Upper
202 100
101 7.7 0.0 29.7
203 18.4 0.0 38.7

Manual Integrations
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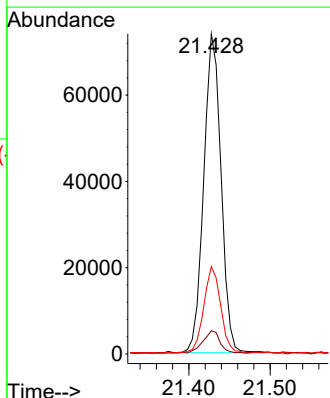
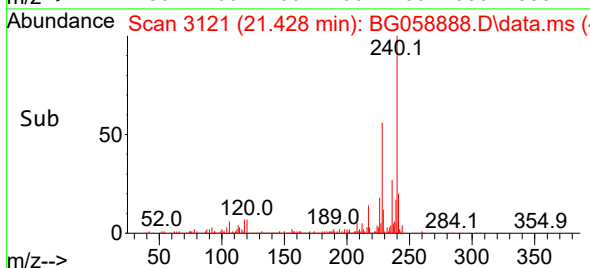
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

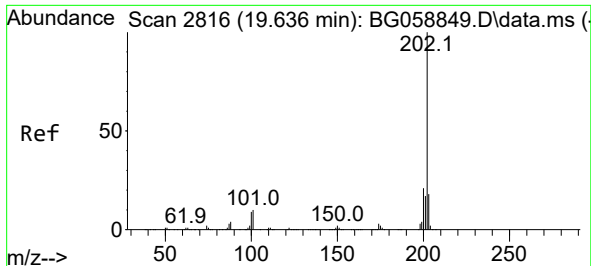


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.428 min Scan# 3121
Delta R.T. 0.002 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23



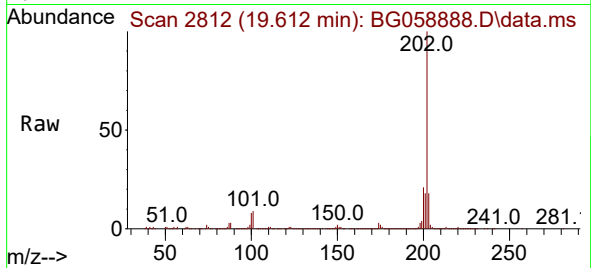
Tgt Ion:240 Resp: 109064
Ion Ratio Lower Upper
240 100
120 7.3 6.2 9.2
236 27.3 20.5 30.7





#78
 Pyrene
 Concen: 61.532 ng
 RT: 19.612 min Scan# 2816
 Delta R.T. 0.008 min
 Lab File: BG058888.D
 Acq: 29 Aug 2023 15:23

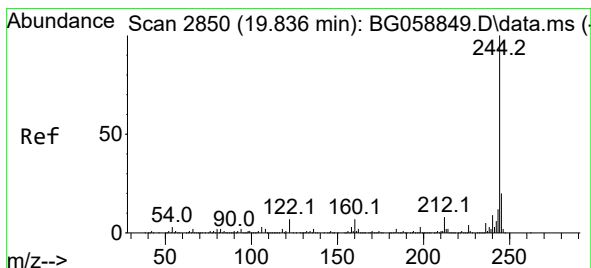
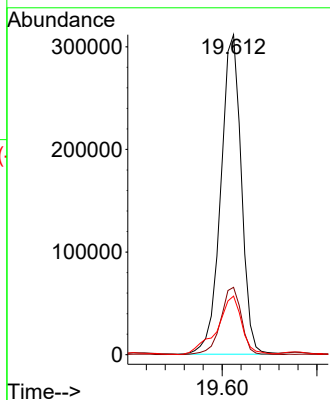
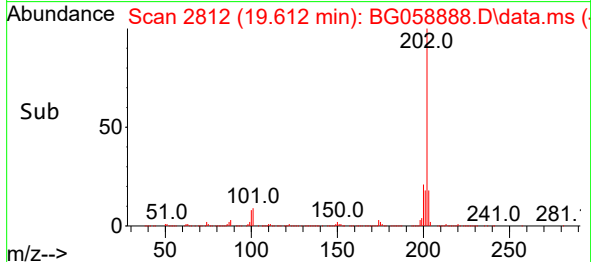
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-082423



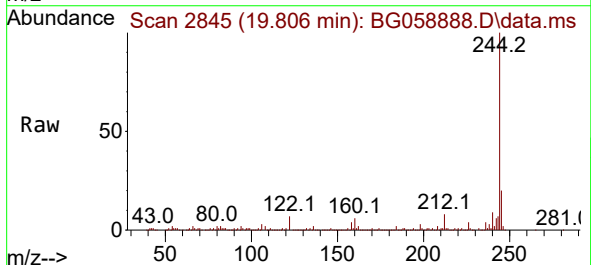
Tgt Ion:202 Resp: 467594
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.7 25.1
 203 18.3 15.3 22.9

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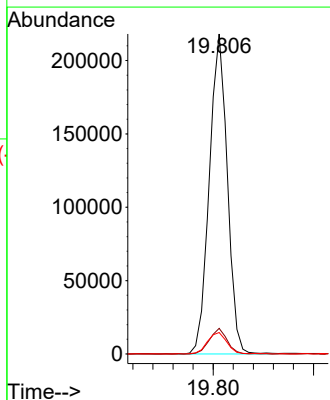
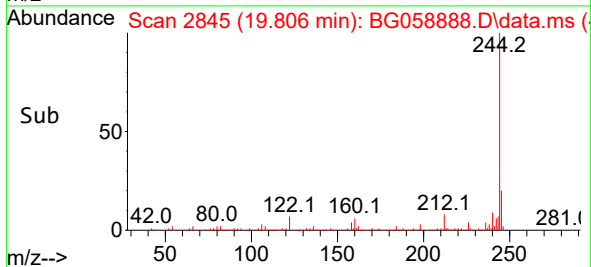
Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

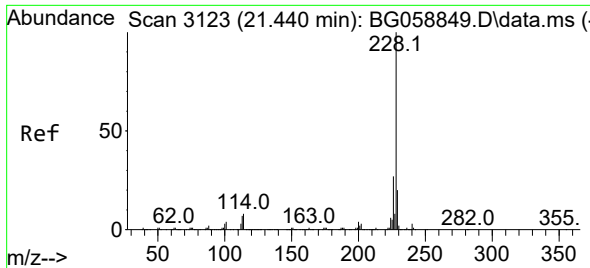


#79
 Terphenyl-d14
 Concen: 44.707 ng
 RT: 19.806 min Scan# 2845
 Delta R.T. 0.002 min
 Lab File: BG058888.D
 Acq: 29 Aug 2023 15:23



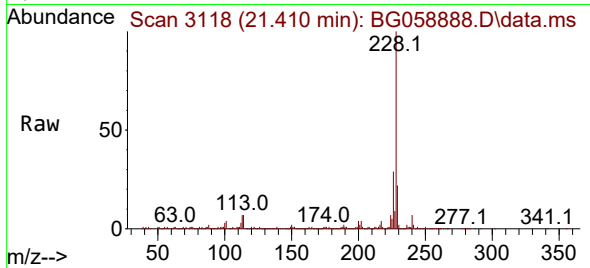
Tgt Ion:244 Resp: 271547
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 6.7 6.3 9.5





#81
Benzo(a)anthracene
Concen: 35.756 ng
RT: 21.410 min Scan# 3118
Delta R.T. 0.008 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

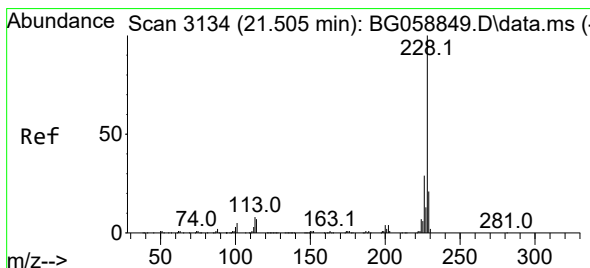
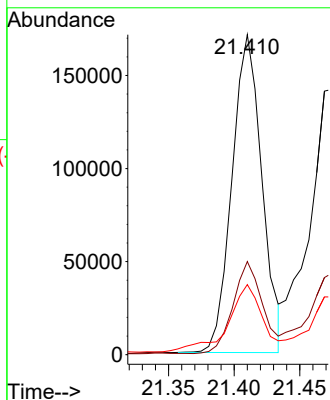
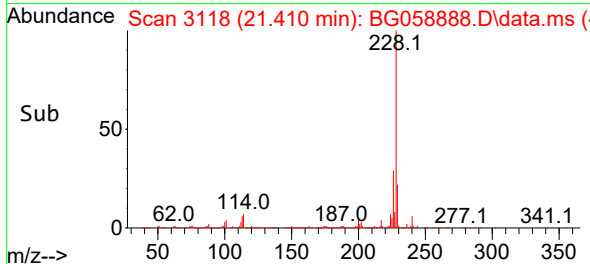
Instrument :
BNA_G
ClientSampleId :
PL-01-082423



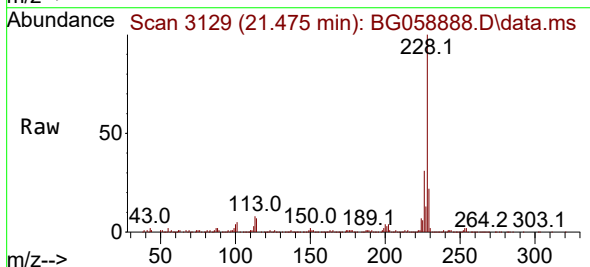
Tgt Ion:228 Resp: 271458
Ion Ratio Lower Upper
228 100
226 29.1 22.6 33.8
229 21.9 16.8 25.2

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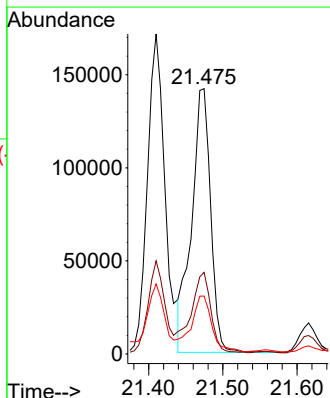
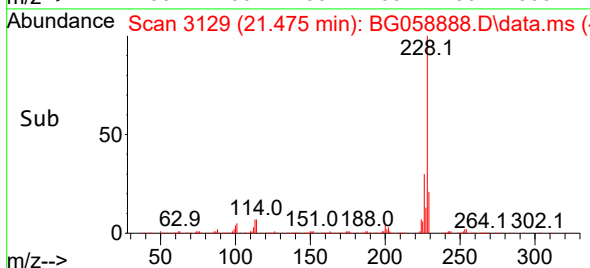
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

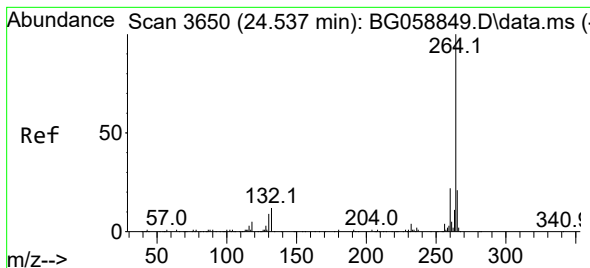


#83
Chrysene
Concen: 34.614 ng
RT: 21.475 min Scan# 3129
Delta R.T. 0.008 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23



Tgt Ion:228 Resp: 253293
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 21.8 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.489 min Scan# 30

Delta R.T. 0.019 min

Lab File: BG058888.D

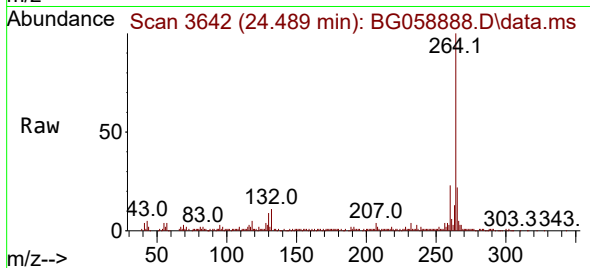
Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

ClientSampleId :

PL-01-082423



Tgt Ion: 264 Resp: 137298

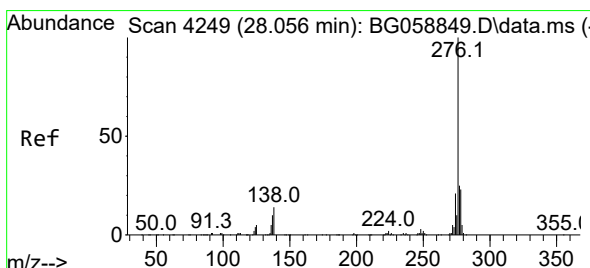
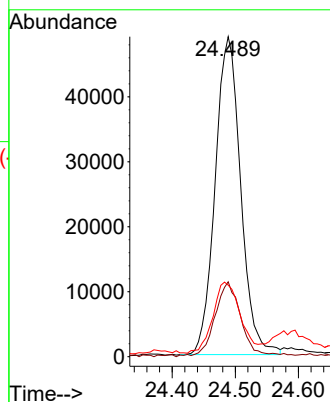
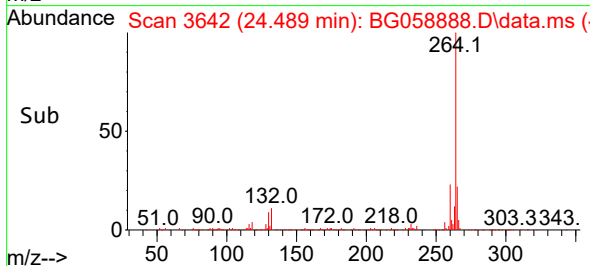
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	22.4	16.4	24.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.447 ng

RT: 27.973 min Scan# 4235

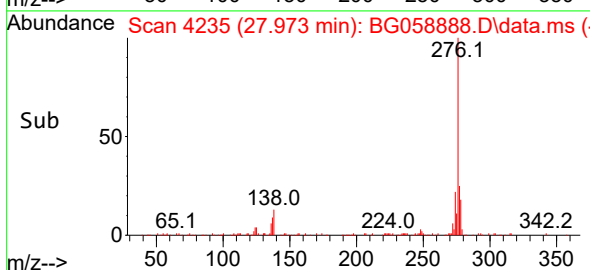
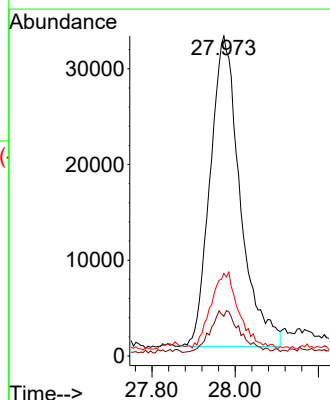
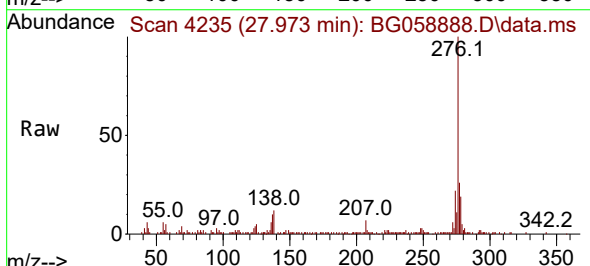
Delta R.T. 0.019 min

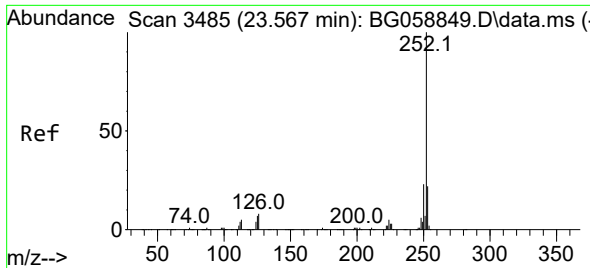
Lab File: BG058888.D

Acq: 29 Aug 2023 15:23

Tgt Ion: 276 Resp: 162069

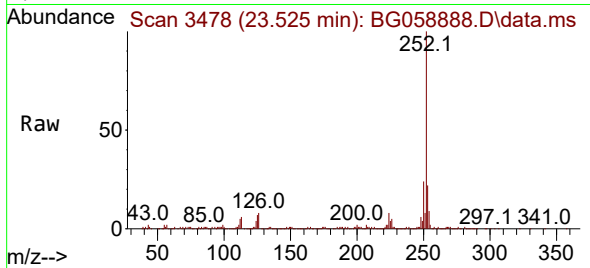
Ion	Ratio	Lower	Upper
276	100		
138	0.0	6.2	9.2#
277	23.2	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 45.765 ng
RT: 23.525 min Scan# 3485
Delta R.T. 0.019 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

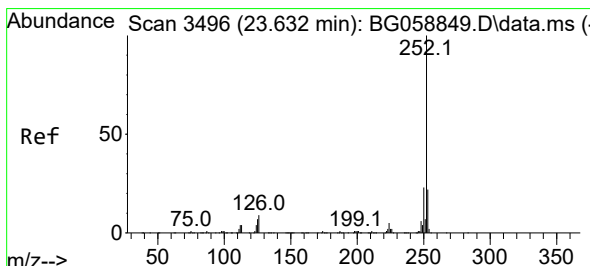
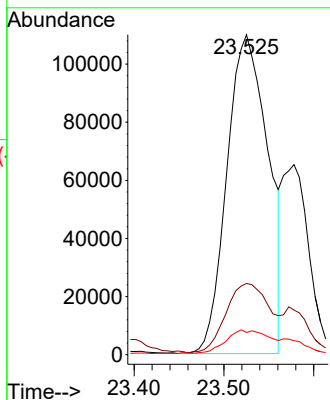
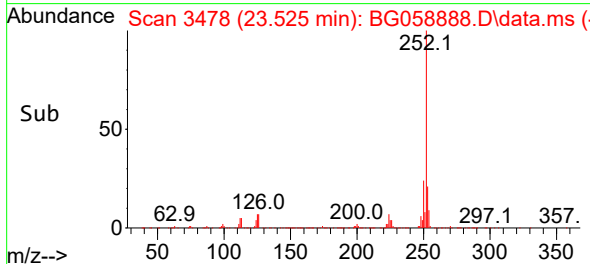
Instrument :
BNA_G
ClientSampleId :
PL-01-082423



Tgt Ion:252 Resp: 34864
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 6.9 6.2 9.2

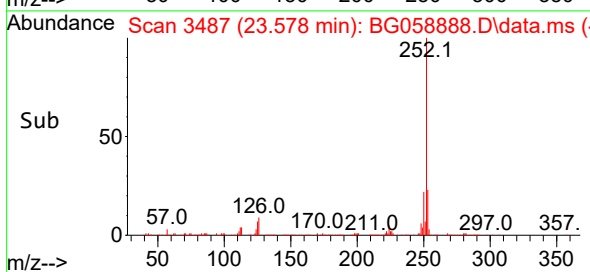
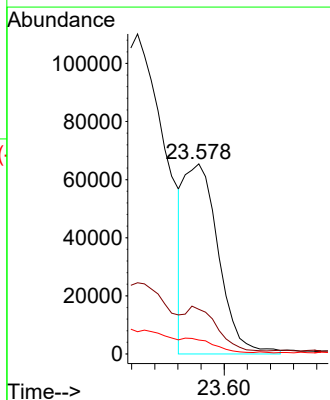
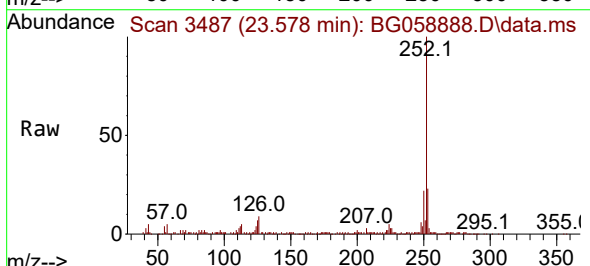
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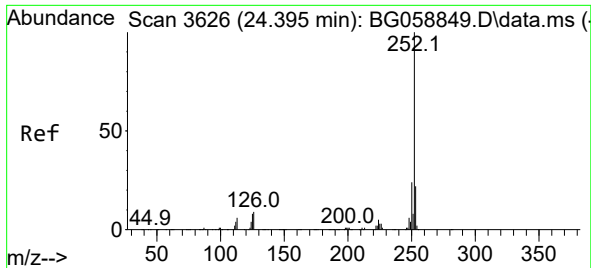
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#89
Benzo(k)fluoranthene
Concen: 17.196 ng m
RT: 23.578 min Scan# 3487
Delta R.T. 0.008 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Tgt Ion:252 Resp: 135098
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 7.4 6.3 9.5





#90
Benzo(a)pyrene
Concen: 35.963 ng
RT: 24.342 min Scan# 30
Delta R.T. 0.008 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

Instrument :

BNA_G

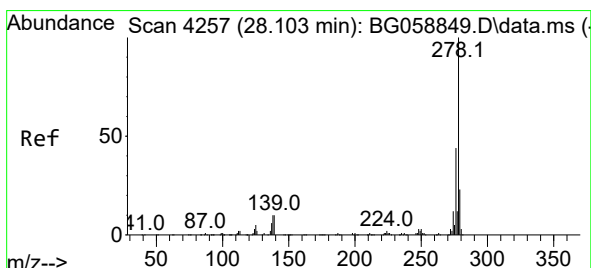
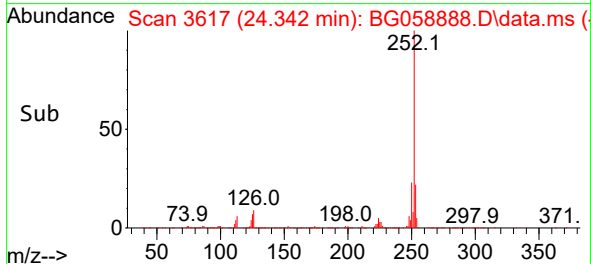
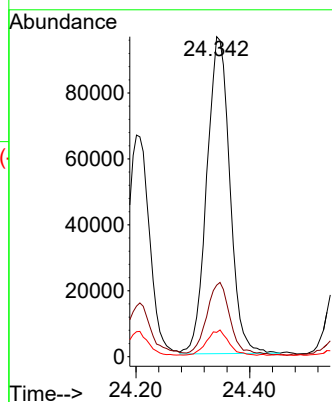
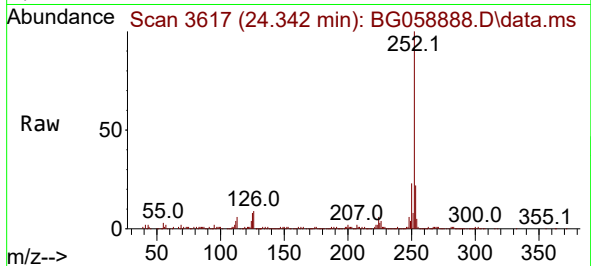
ClientSampleId :

PL-01-082423

Tgt Ion:252 Resp: 26975
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 7.6 6.8 10.2

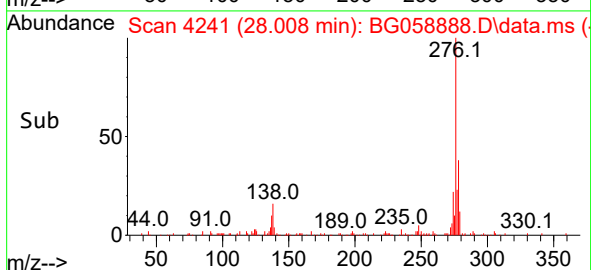
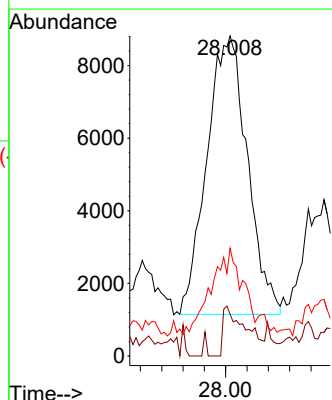
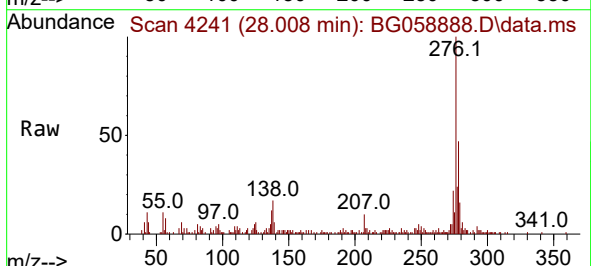
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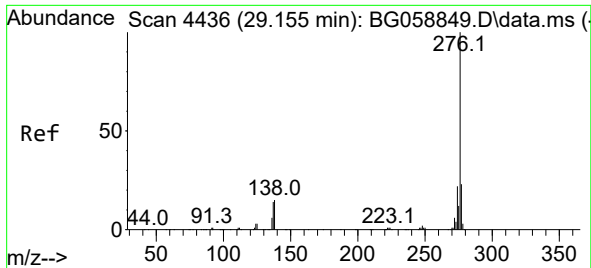
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#91
Dibenzo(a,h)anthracene
Concen: 5.309 ng
RT: 28.008 min Scan# 4241
Delta R.T. 0.002 min
Lab File: BG058888.D
Acq: 29 Aug 2023 15:23

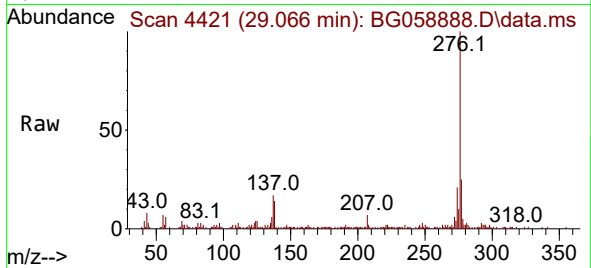
Tgt Ion:278 Resp: 40523
Ion Ratio Lower Upper
278 100
139 13.0 8.9 13.3
279 33.7 19.0 28.6#





#92
 Benzo(g,h,i)perylene
 Concen: 19.584 ng
 RT: 29.066 min Scan# 44
 Delta R.T. 0.019 min
 Lab File: BG058888.D
 Acq: 29 Aug 2023 15:23

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-082423



Tgt Ion:	276	Resp:	14945
Ion Ratio	Lower	Upper	
276	100		
277	24.8	17.8	26.6
138	14.0	11.1	16.7

Manual Integrations
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Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

