

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059772.D
 Acq On : 20 Nov 2023 17:06
 Operator : MA/JU
 Sample : 05311-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 20 18:22:39 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 17 01:51:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.336	152	31836	20.000	ng	# 0.00
21) Naphthalene-d8	11.180	136	101873	20.000	ng	#-0.01
39) Acenaphthene-d10	14.964	164	98290	20.000	ng	# 0.00
64) Phenanthrene-d10	17.707	188	223588	20.000	ng	-0.01
76) Chrysene-d12	22.038	240	161789	20.000	ng	-0.01
86) Perylene-d12	25.622	264	193247	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	190774	100.860	ng	0.00
7) Phenol-d6	7.455	99	296832	105.899	ng	0.00
23) Nitrobenzene-d5	9.529	82	283534	106.296	ng	-0.01
42) 2,4,6-Tribromophenol	16.444	330	146020	130.934	ng	-0.01
45) 2-Fluorobiphenyl	13.583	172	547307	74.952	ng	-0.01
79) Terphenyl-d14	20.287	244	827925	75.544	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.749	178	74951	6.593	ng	# 90
75) Fluoranthene	19.746	202	187331	13.741	ng	95
78) Pyrene	20.110	202	153014	13.900	ng	97
81) Benzo(a)anthracene	22.014	228	78665m	7.106	ng	
83) Chrysene	22.085	228	77535	7.641	ng	# 88
87) Indeno(1,2,3-cd)pyrene	29.740	276	67122	4.590	ng	# 93
88) Benzo(b)fluoranthene	24.458	252	111946	10.569	ng	# 92
89) Benzo(k)fluoranthene	24.523	252	39540	3.776	ng	# 93
90) Benzo(a)pyrene	25.434	252	84709	7.494	ng	# 92
92) Benzo(g,h,i)perylene	31.068	276	61155m	5.210	ng	

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

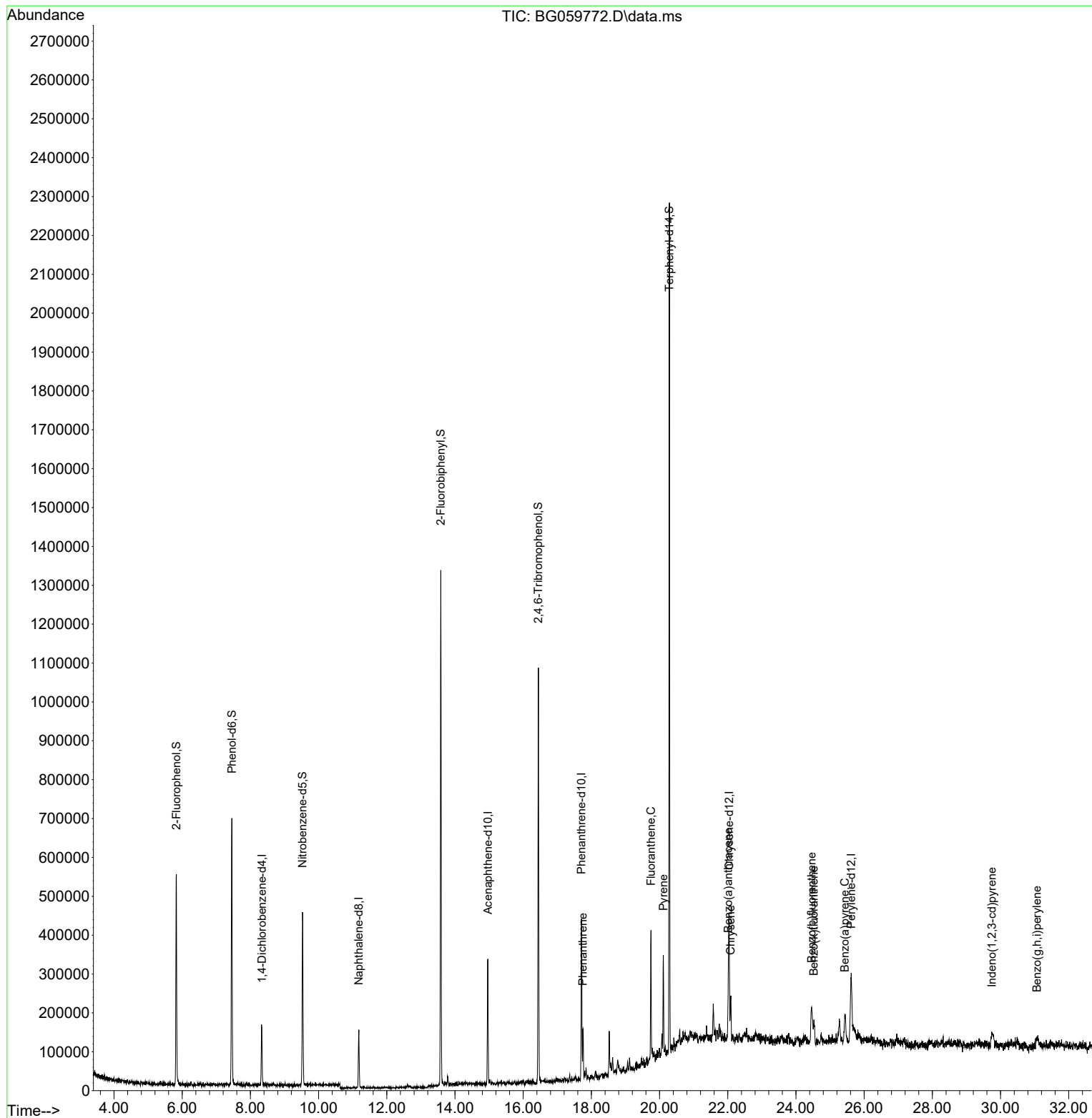
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Data File : BG059772.D
Acq On : 20 Nov 2023 17:06
Operator : MA/JU
Sample : 05311-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

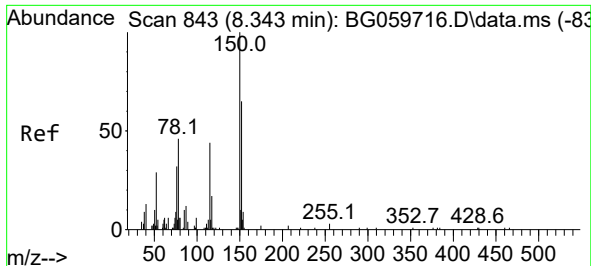
Instrument :
BNA_G
ClientSampleId :
TP-5

Quant Time: Nov 20 18:22:39 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 17 01:51:38 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

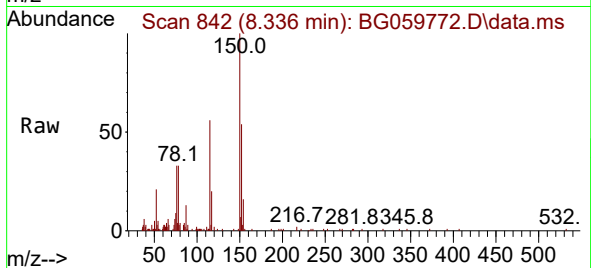
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 843
Delta R.T. -0.007 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

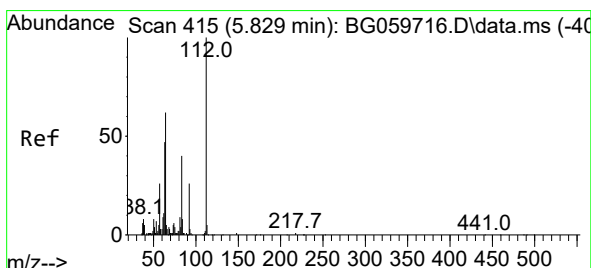
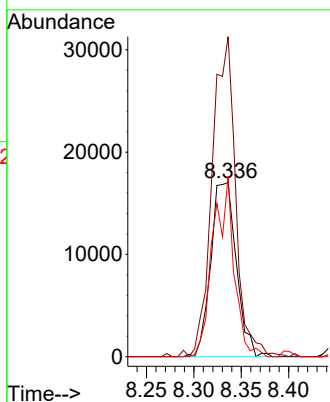
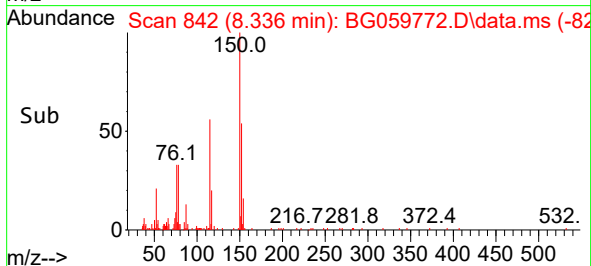
Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion:152 Resp: 31830
Ion Ratio Lower Upper
152 100
150 183.8 122.2 183.4
115 103.7 54.2 81.4

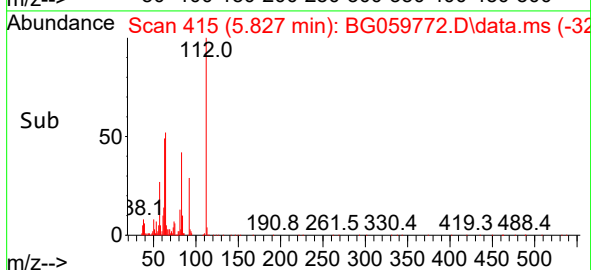
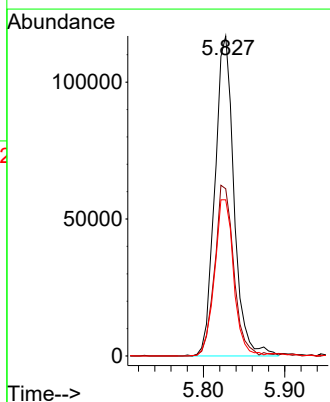
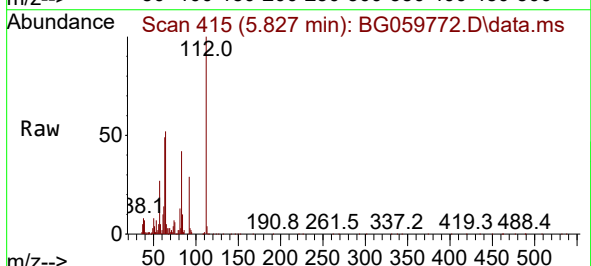
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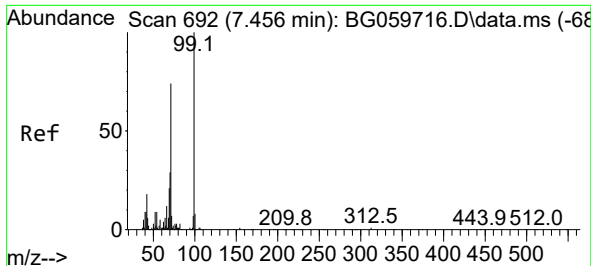
Reviewed By :Yogesh Patel 11/21/2023
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#5
2-Fluorophenol
Concen: 100.860 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.001 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

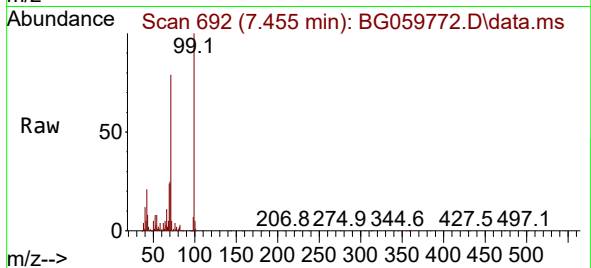
Tgt Ion:112 Resp: 190774
Ion Ratio Lower Upper
112 100
64 52.3 49.5 74.3
63 48.8 37.4 56.2





#7
Phenol-d6
Concen: 105.899 ng
RT: 7.455 min Scan# 692
Delta R.T. -0.001 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

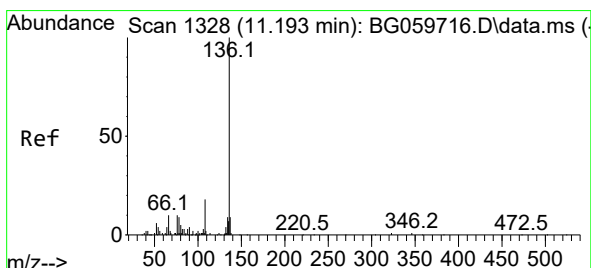
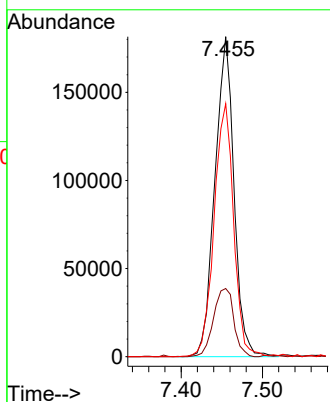
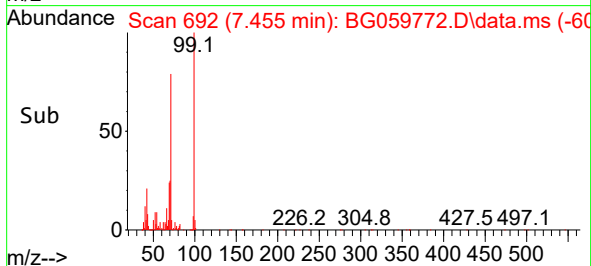
Instrument :
BNA_G
ClientSampleId :
TP-5



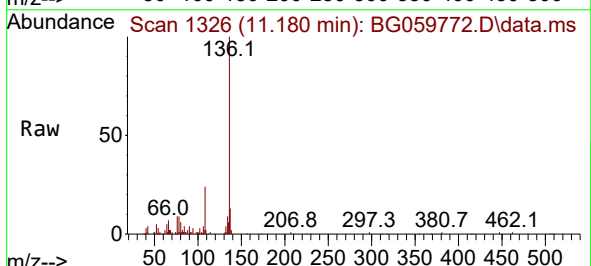
Tgt Ion: 99 Resp: 296832
Ion Ratio Lower Upper
99 100
42 21.3 14.3 21.5
71 79.1 59.3 88.9

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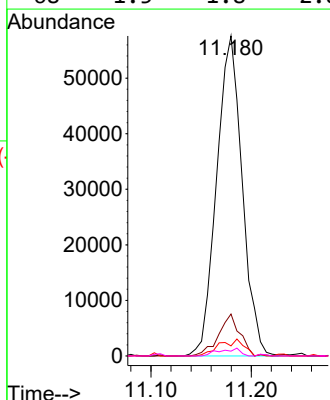
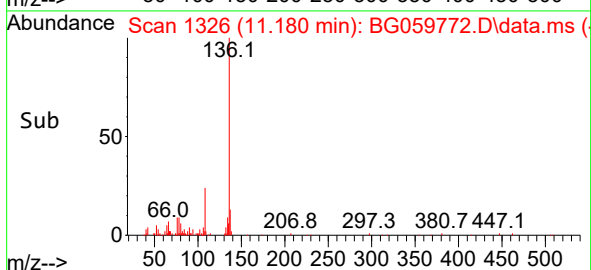
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

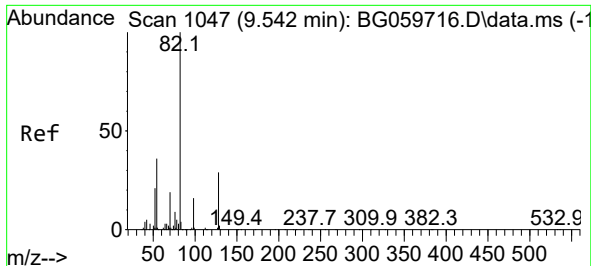


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.180 min Scan# 1326
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06



Tgt Ion:136 Resp: 101873
Ion Ratio Lower Upper
136 100
137 13.1 7.4 11.0#
54 3.2 3.1 4.7
68 1.5 1.8 2.8#





#23

Nitrobenzene-d5

Concen: 106.296 ng

RT: 9.529 min Scan# 1045

Delta R.T. -0.013 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

Tgt Ion: 82 Resp: 283534

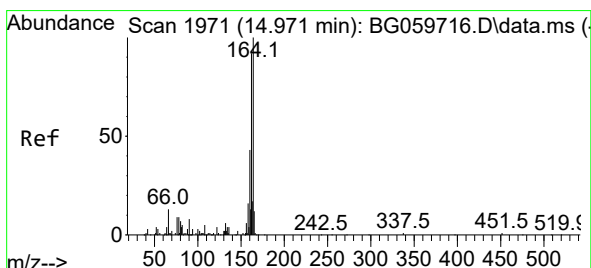
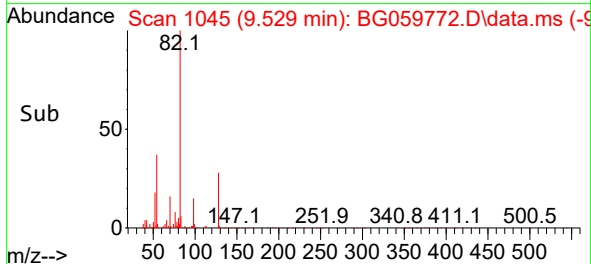
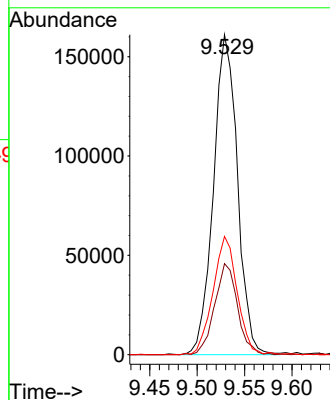
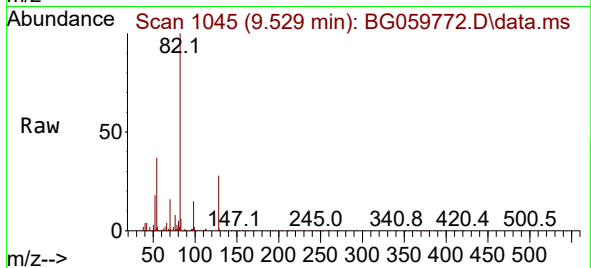
Ion	Ratio	Lower	Upper
82	100		
128	28.5	23.0	34.6
54	37.0	28.7	43.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.964 min Scan# 1970

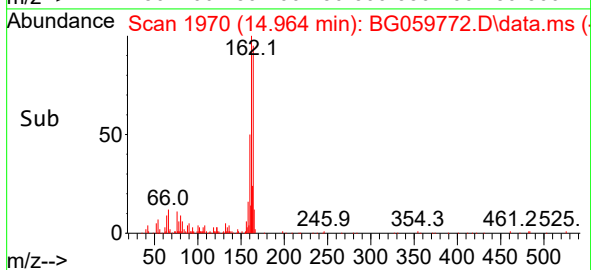
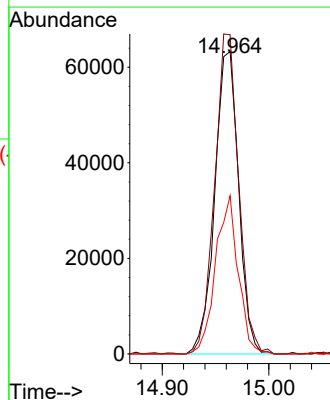
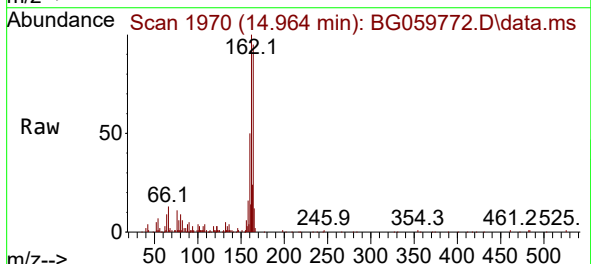
Delta R.T. -0.007 min

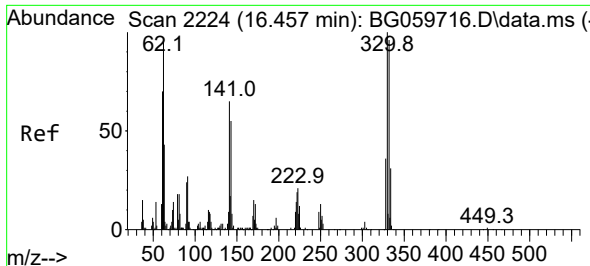
Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Tgt Ion:164 Resp: 98290

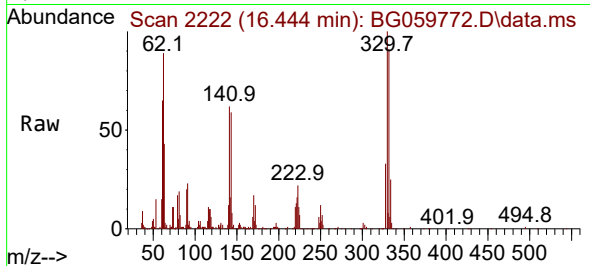
Ion	Ratio	Lower	Upper
164	100		
162	105.5	73.3	109.9
160	52.3	34.1	51.1





#42
2,4,6-Tribromophenol
Concen: 130.934 ng
RT: 16.444 min Scan# 21
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

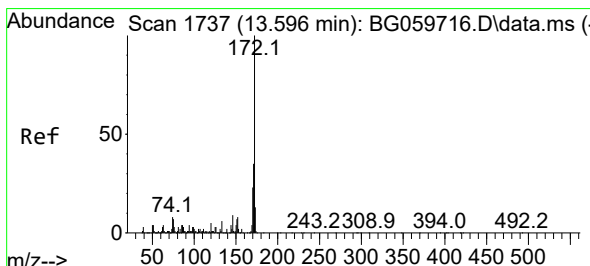
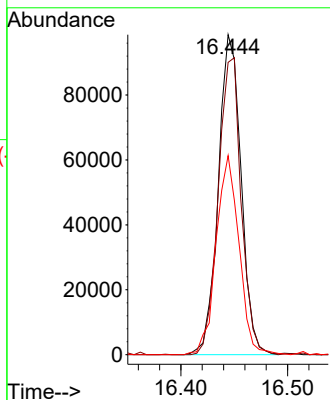
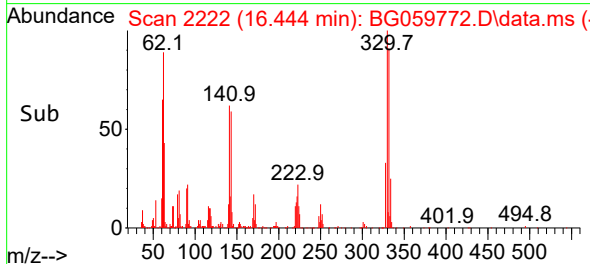
Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion:330 Resp: 146020
Ion Ratio Lower Upper
330 100
332 93.6 73.3 109.9
141 62.6 52.1 78.1

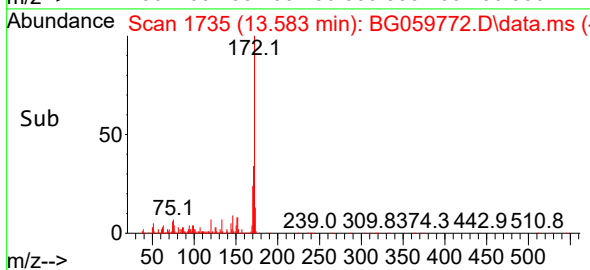
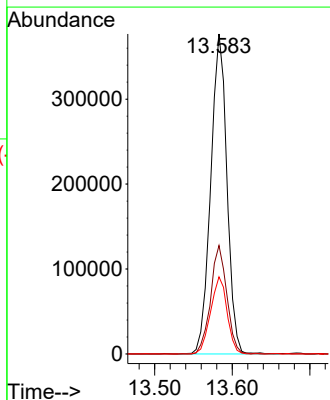
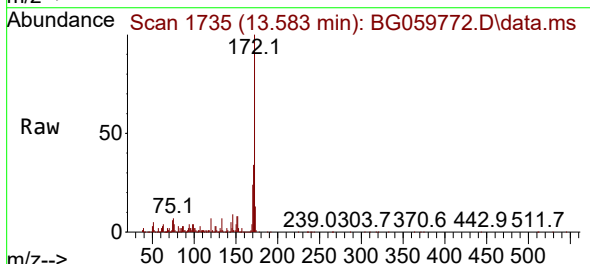
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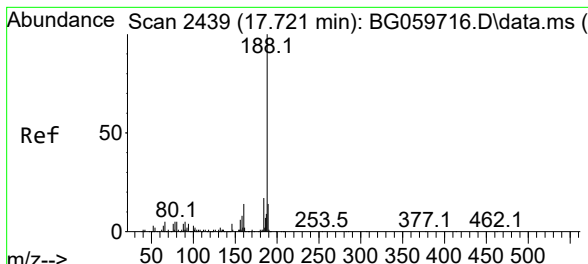
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#45
2-Fluorobiphenyl
Concen: 74.952 ng
RT: 13.583 min Scan# 1735
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion:172 Resp: 547307
Ion Ratio Lower Upper
172 100
171 33.9 27.7 41.5
170 24.1 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2437
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

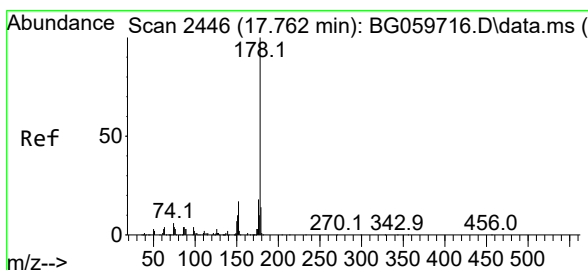
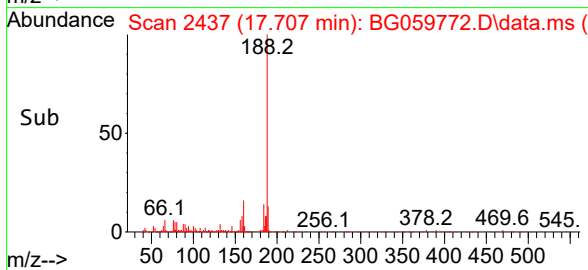
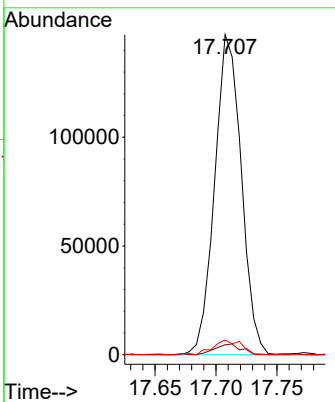
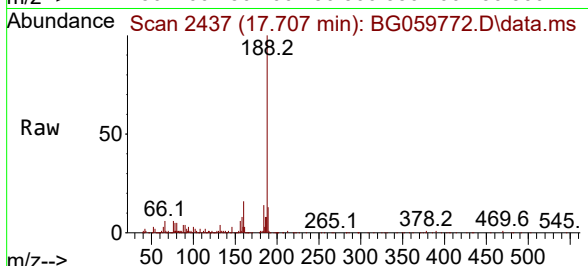
Instrument : BNA_G
ClientSampleId : TP-5

Tgt Ion:188 Resp: 22358

Ion	Ratio	Lower	Upper
188	100		
94	3.1	3.0	4.4
80	4.6	4.2	6.4

Manual Integrations
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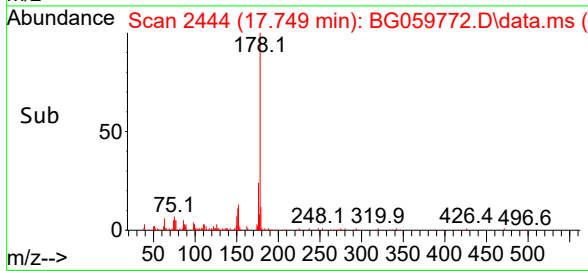
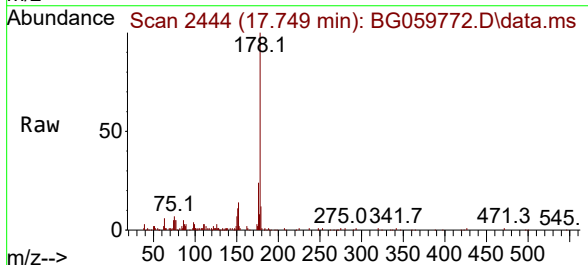
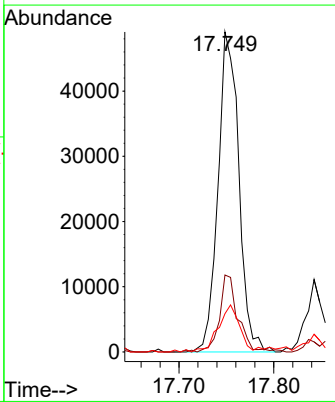
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

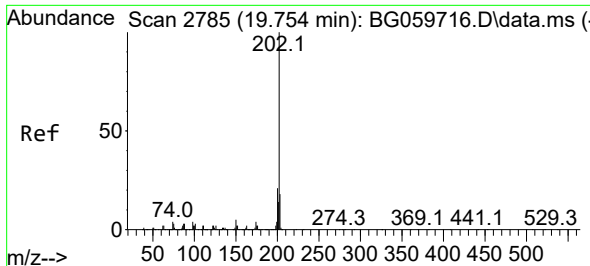


#71
Phenanthrene
Concen: 6.593 ng
RT: 17.749 min Scan# 2444
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion:178 Resp: 74951

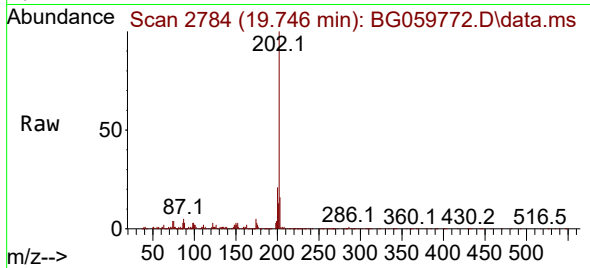
Ion	Ratio	Lower	Upper
178	100		
176	24.1	14.5	21.7#
179	12.0	11.2	16.8





#75
Fluoranthene
Concen: 13.741 ng
RT: 19.746 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

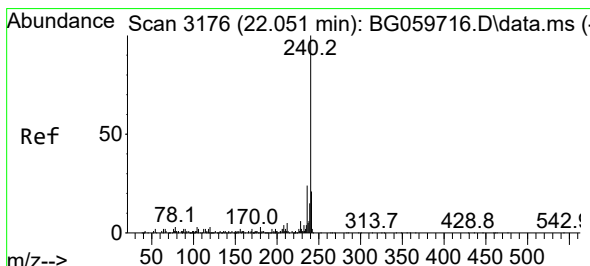
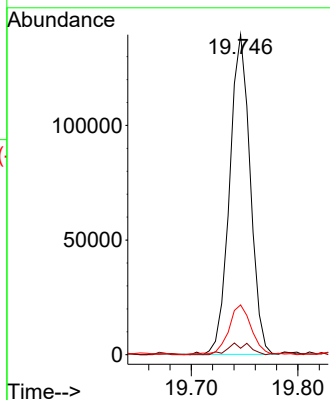
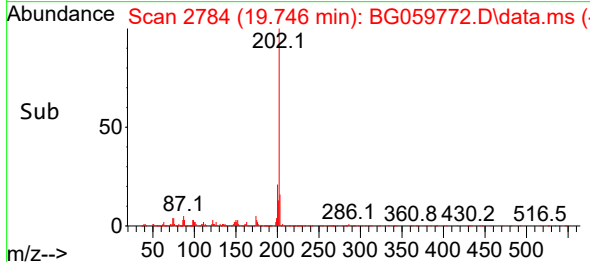
Instrument :
BNA_G
ClientSampleId :
TP-5



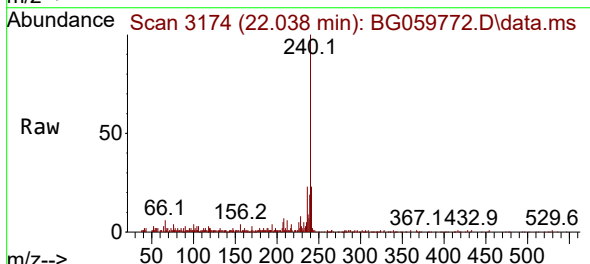
Tgt Ion:202 Resp: 18733
Ion Ratio Lower Upper
202 100
101 2.0 0.0 22.7
203 15.6 0.0 38.2

Manual Integrations
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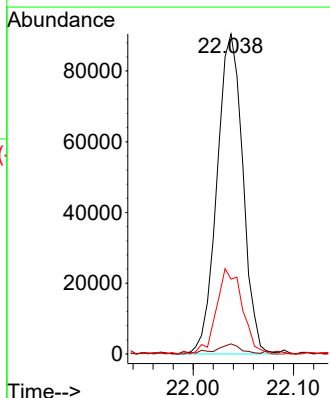
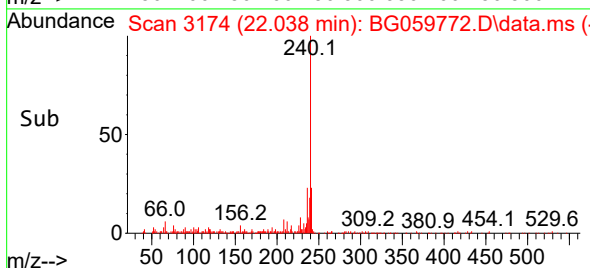
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

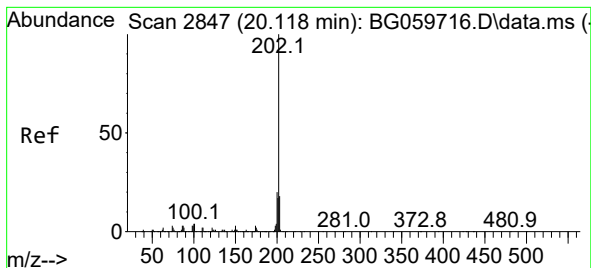


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.038 min Scan# 3174
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06



Tgt Ion:240 Resp: 161789
Ion Ratio Lower Upper
240 100
120 3.1 2.2 3.2
236 23.4 19.4 29.2





#78

Pyrene

Concen: 13.900 ng

RT: 20.110 min Scan# 2846

Delta R.T. -0.007 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

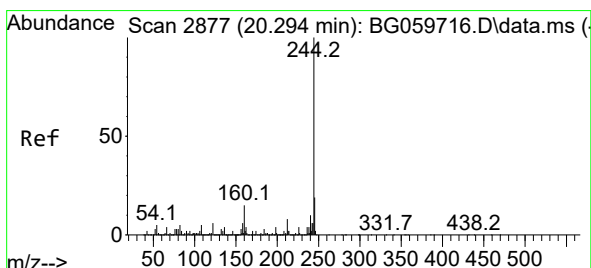
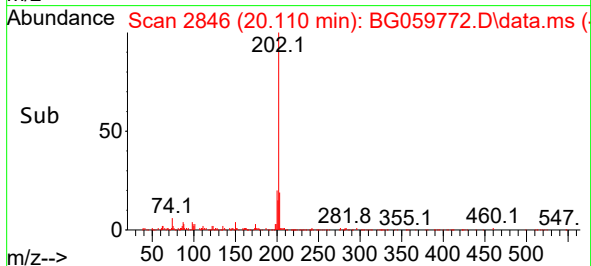
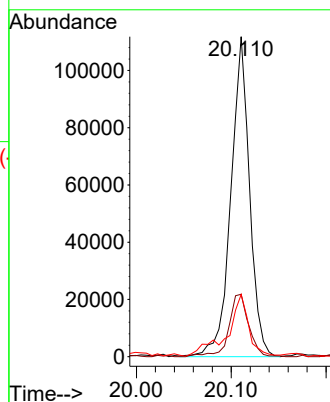
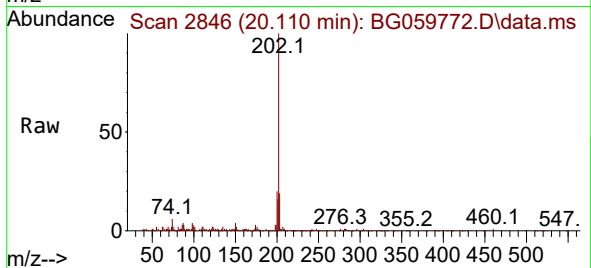
Tgt Ion:202 Resp: 153014
 Ion Ratio Lower Upper
 202 100
 200 19.5 16.2 24.4
 203 19.4 14.0 21.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#79

Terphenyl-d14

Concen: 75.544 ng

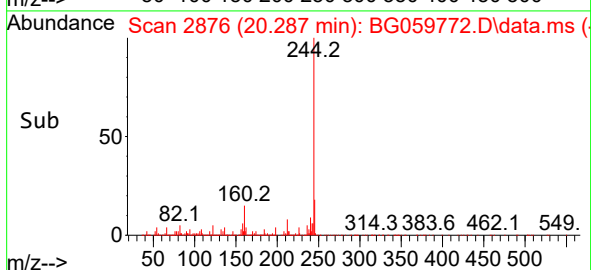
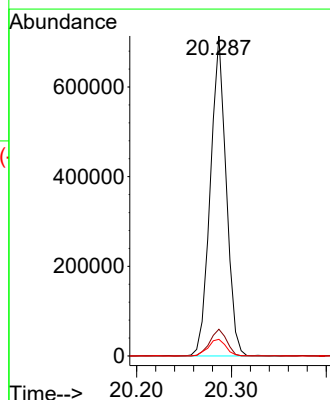
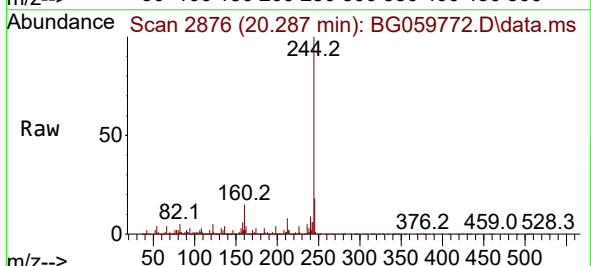
RT: 20.287 min Scan# 2876

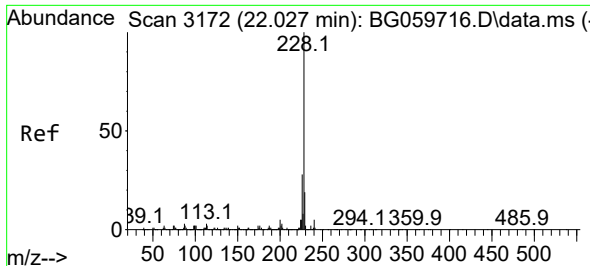
Delta R.T. -0.007 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Tgt Ion:244 Resp: 827925
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.6 10.0
 122 5.2 4.4 6.6





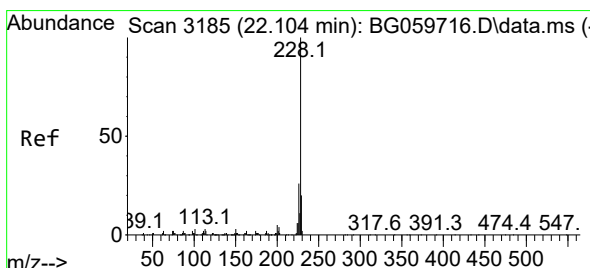
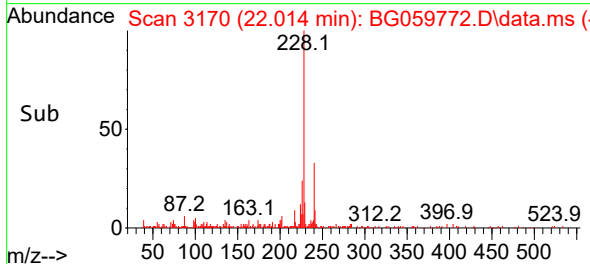
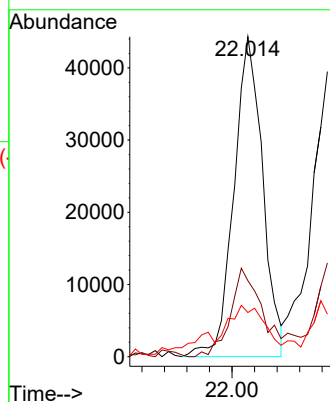
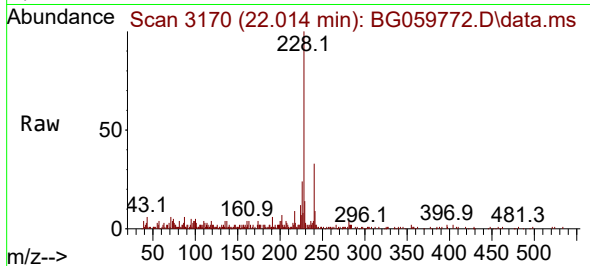
#81
Benzo(a)anthracene
Concen: 7.106 ng m
RT: 22.014 min Scan# 3170
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Instrument :
BNA_G
ClientSampleId :
TP-5

Tgt Ion:228 Resp: 7866
Ion Ratio Lower Upper
228 100
226 23.8 22.1 33.1
229 13.8 14.9 22.3

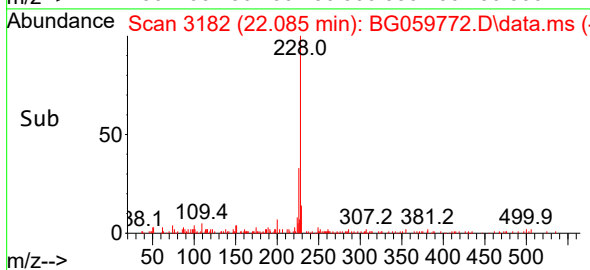
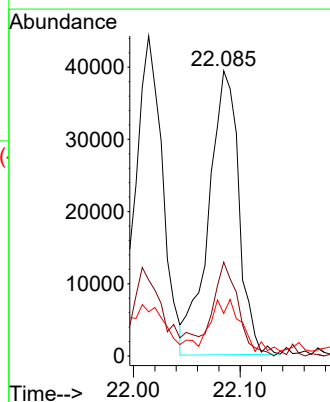
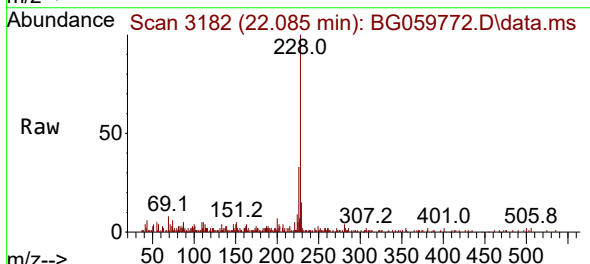
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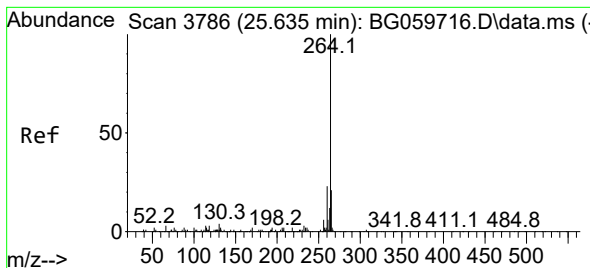
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#83
Chrysene
Concen: 7.641 ng
RT: 22.085 min Scan# 3182
Delta R.T. -0.019 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion:228 Resp: 77535
Ion Ratio Lower Upper
228 100
226 32.9 21.1 31.7#
229 14.9 16.2 24.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.622 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

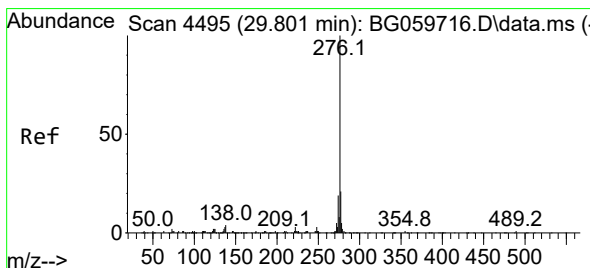
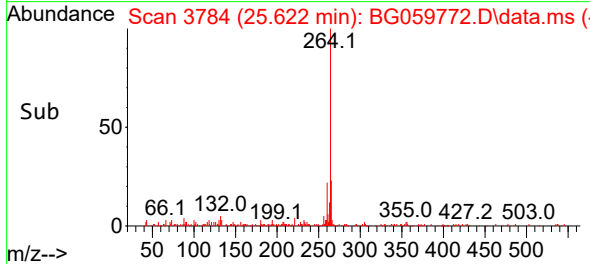
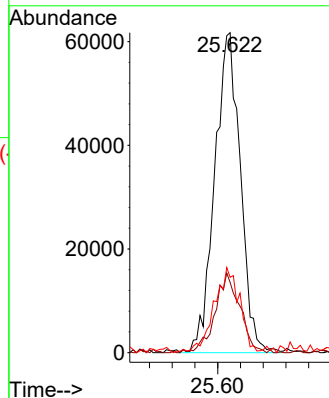
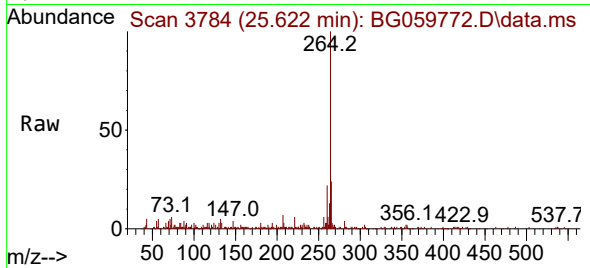
Tgt Ion:264	Resp:	19324
Ion Ratio	Lower	Upper
264	100	
260	21.9	18.5 27.7
265	23.6	17.0 25.6

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Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.590 ng

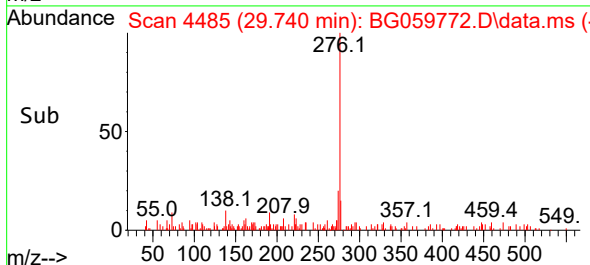
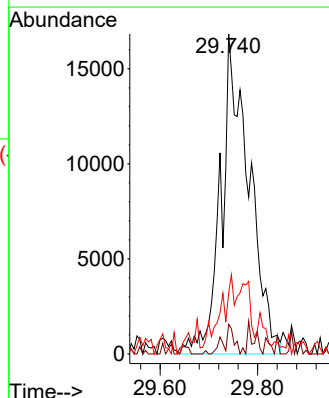
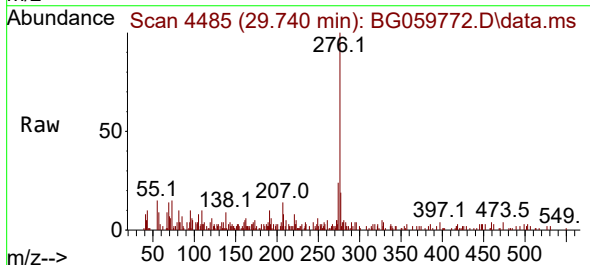
RT: 29.740 min Scan# 4485

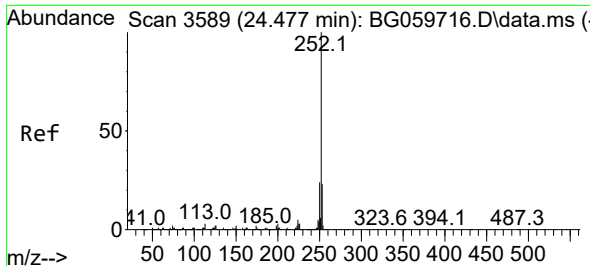
Delta R.T. -0.060 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

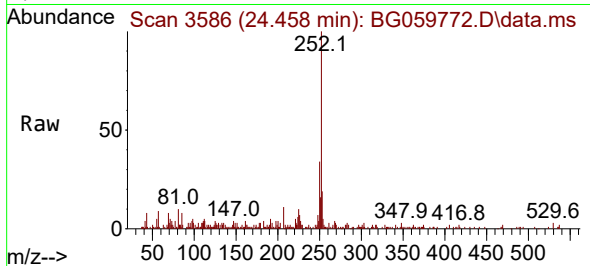
Tgt Ion:276	Resp:	67122
Ion Ratio	Lower	Upper
276	100	
138	2.1	1.8 2.6
277	8.9	9.8 14.6





#88
Benzo(b)fluoranthene
Concen: 10.569 ng
RT: 24.458 min Scan# 3586
Delta R.T. -0.019 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

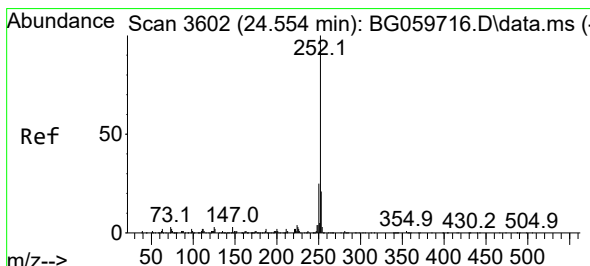
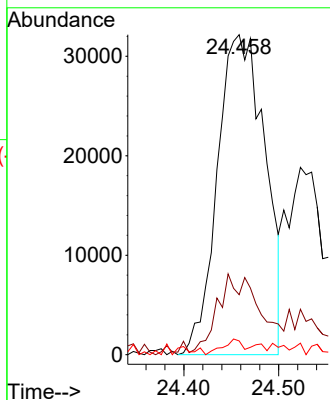
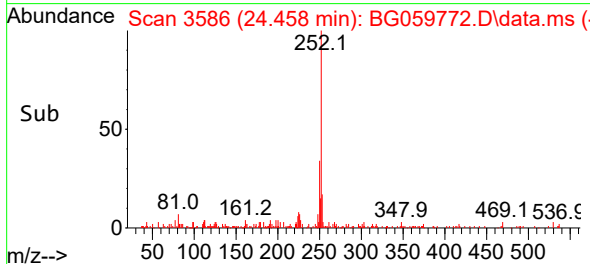
Instrument :
BNA_G
ClientSampleId :
TP-5



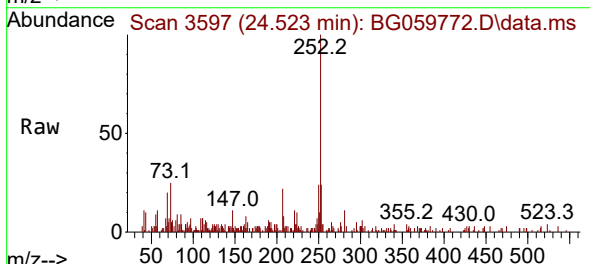
Tgt Ion:252 Resp: 111940
Ion Ratio Lower Upper
252 100
253 18.8 18.3 27.5
125 4.3 1.4 2.0

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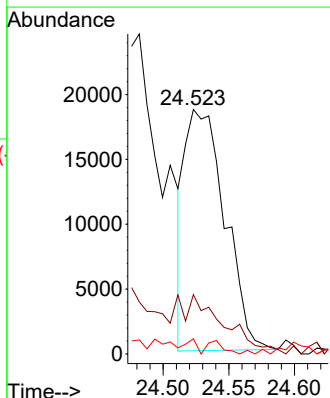
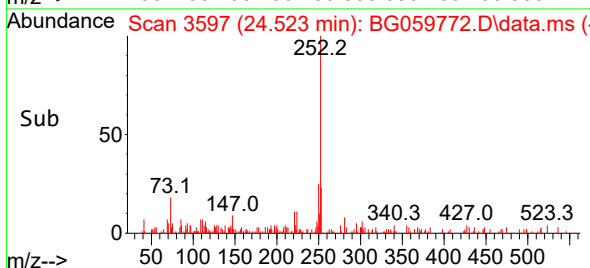
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

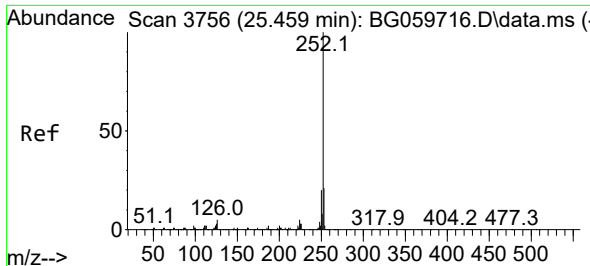


#89
Benzo(k)fluoranthene
Concen: 3.776 ng
RT: 24.523 min Scan# 3597
Delta R.T. -0.031 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06



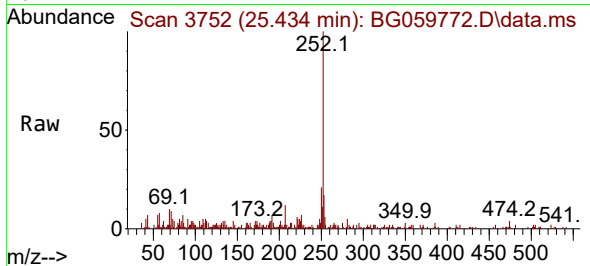
Tgt Ion:252 Resp: 39540
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 6.2 2.2 3.2





#90
Benzo(a)pyrene
Concen: 7.494 ng
RT: 25.434 min Scan# 31
Delta R.T. -0.025 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

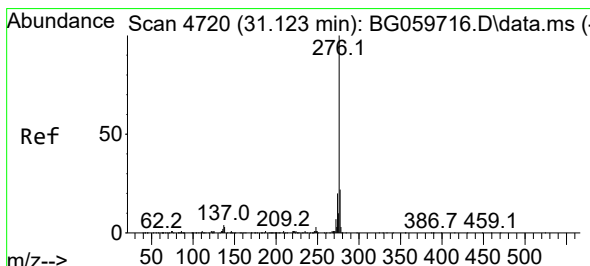
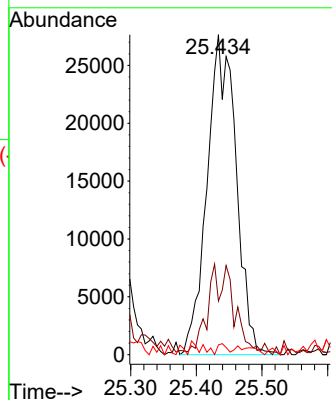
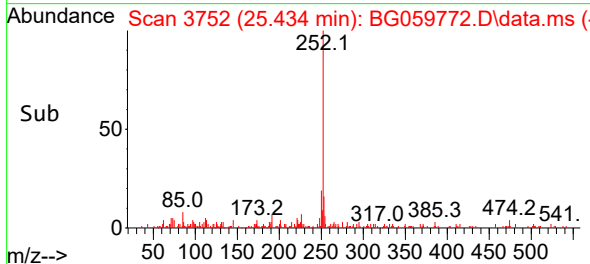
Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion:252 Resp: 84709
Ion Ratio Lower Upper
252 100
253 16.8 16.8 25.2
125 3.1 2.0 3.0

Manual Integrations
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Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#92
Benzo(g,h,i)perylene
Concen: 5.210 ng m
RT: 31.068 min Scan# 4711
Delta R.T. -0.054 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion:276 Resp: 61155
Ion Ratio Lower Upper
276 100
277 19.6 17.3 25.9
138 0.0 2.6 4.0

