

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059775.D
 Acq On : 20 Nov 2023 19:08
 Operator : MA/JU
 Sample : 05354-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 350

Manual Integrations
 APPROVED

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

Quant Time: Nov 21 00:20:15 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	8.330	152	25164	20.000	ng	-0.01
21) Naphthalene-d8	11.179	136	150968	20.000	ng	#-0.01
39) Acenaphthene-d10	14.957	164	96793	20.000	ng	#-0.01
64) Phenanthrene-d10	17.713	188	196335	20.000	ng	# 0.00
76) Chrysene-d12	22.037	240	150892	20.000	ng	-0.01
86) Perylene-d12	25.615	264	181624	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	165671	110.812	ng	0.00
7) Phenol-d6	7.454	99	174471	78.749	ng	0.00
23) Nitrobenzene-d5	9.528	82	200329	50.679	ng	-0.01
42) 2,4,6-Tribromophenol	16.444	330	91139	82.987	ng	-0.01
45) 2-Fluorobiphenyl	13.582	172	372971	51.867	ng	-0.01
79) Terphenyl-d14	20.286	244	561096	54.895	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.754	178	42789	4.287	ng	97
75) Fluoranthene	19.746	202	113523	9.483	ng	97
78) Pyrene	20.110	202	108117	10.531	ng	96
81) Benzo(a)anthracene	22.020	228	45912	4.447	ng	# 94
83) Chrysene	22.084	228	61887m	6.539	ng	
87) Indeno(1,2,3-cd)pyrene	29.769	276	41577m	3.025	ng	
88) Benzo(b)fluoranthene	24.452	252	76093	7.644	ng	# 93
89) Benzo(k)fluoranthene	24.517	252	28623m	2.908	ng	
90) Benzo(a)pyrene	25.433	252	46637	4.390	ng	# 94
92) Benzo(g,h,i)perylene	31.085	276	33708m	3.055	ng	

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

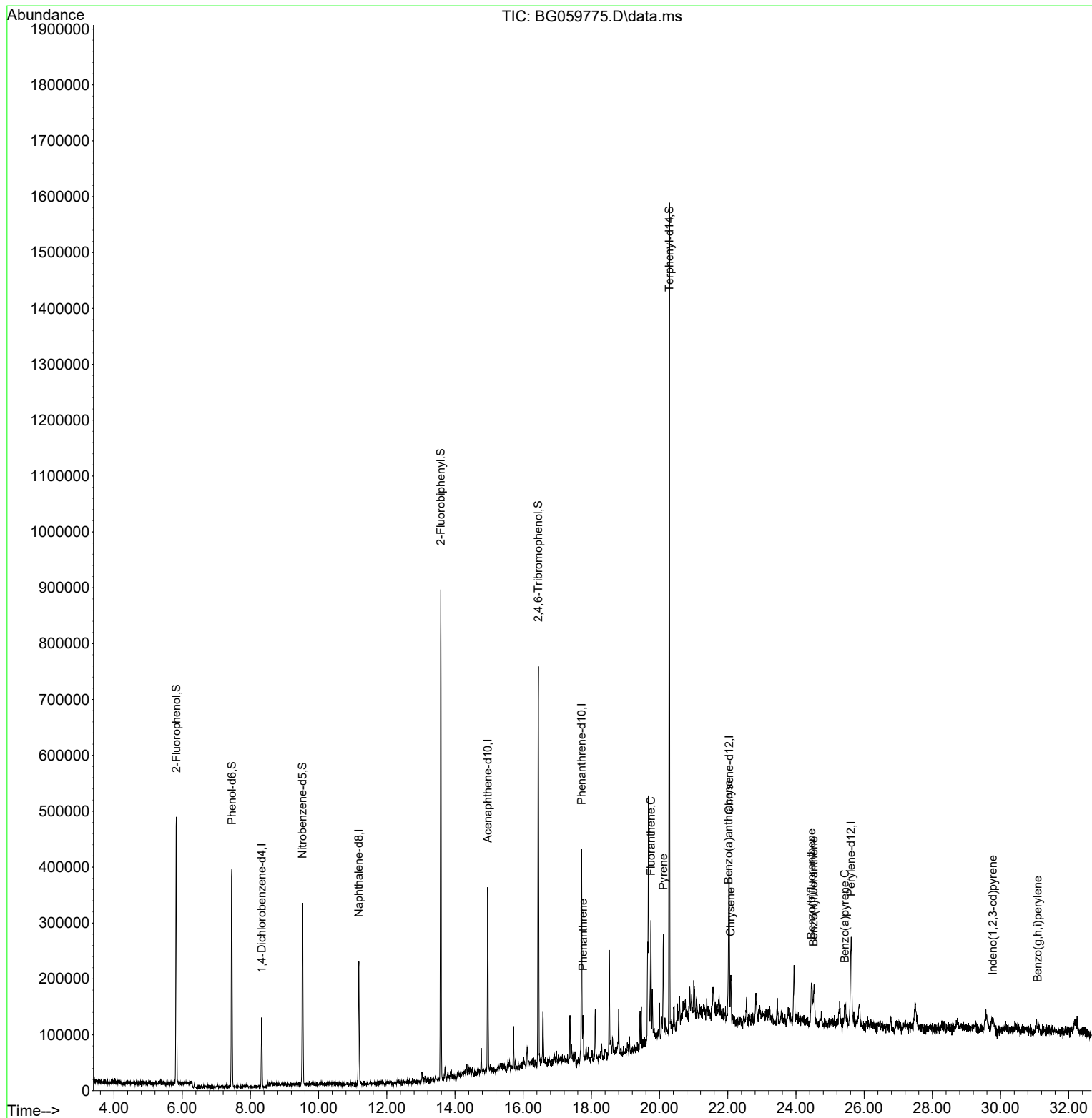
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
Data File : BG059775.D
Acq On : 20 Nov 2023 19:08
Operator : MA/JU
Sample : 05354-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

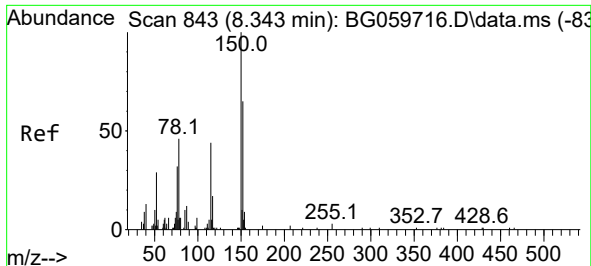
Instrument :
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350

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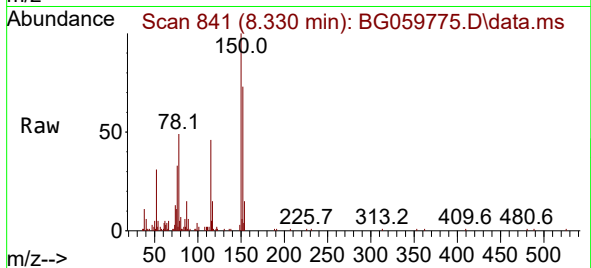
Quant Time: Nov 21 00:20:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.330 min Scan# 843
Delta R.T. -0.013 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

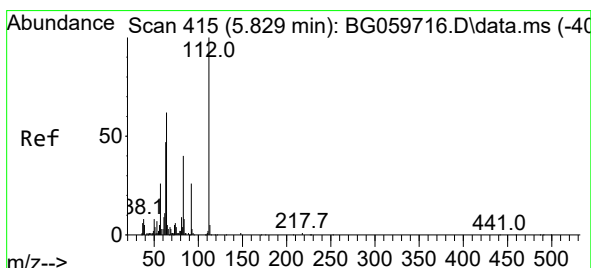
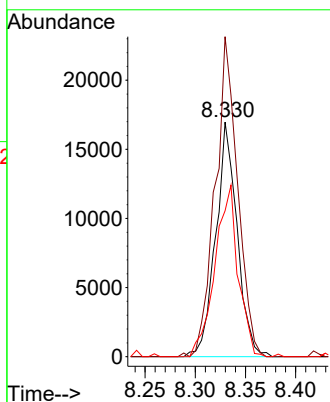
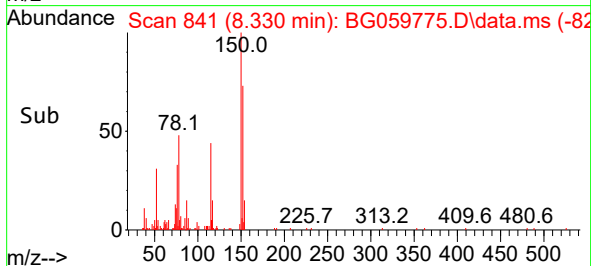
Instrument :
BNA_G
ClientSampleId :
350



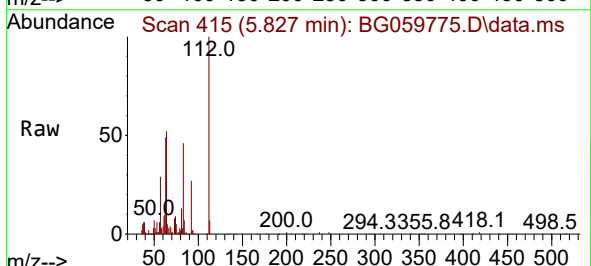
Tgt Ion:152 Resp: 25164
Ion Ratio Lower Upper
152 100
150 136.4 122.2 183.4
115 62.2 54.2 81.4

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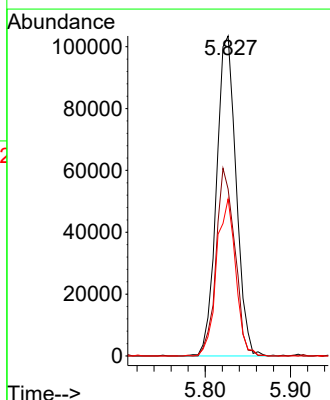
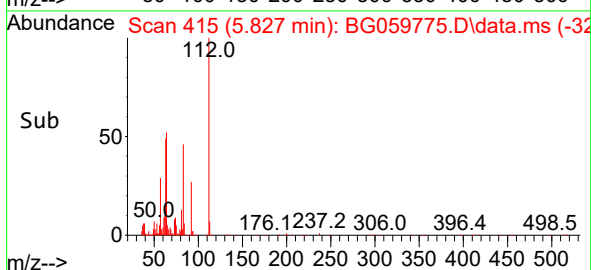
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

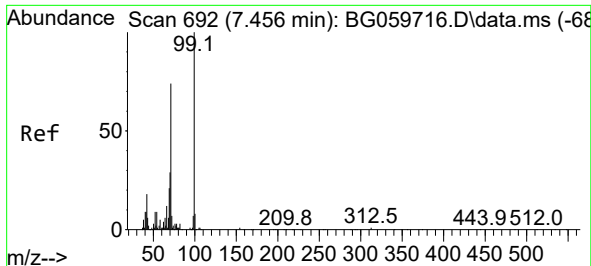


#5
2-Fluorophenol
Concen: 110.812 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.002 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08



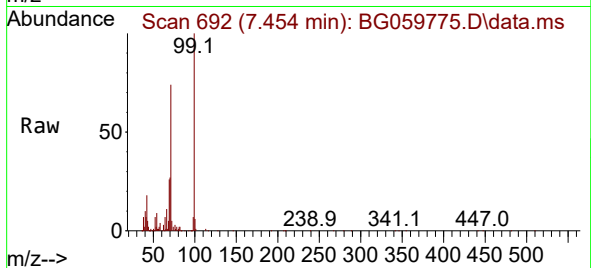
Tgt Ion:112 Resp: 165671
Ion Ratio Lower Upper
112 100
64 52.1 49.5 74.3
63 49.1 37.4 56.2





#7
Phenol-d6
Concen: 78.749 ng
RT: 7.454 min Scan# 692
Delta R.T. -0.002 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

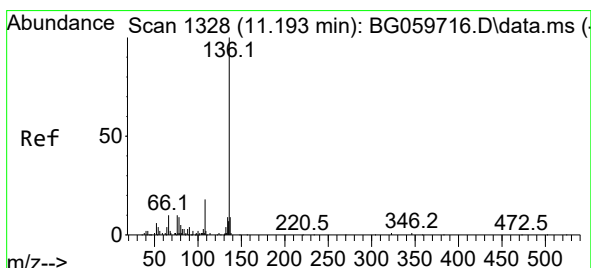
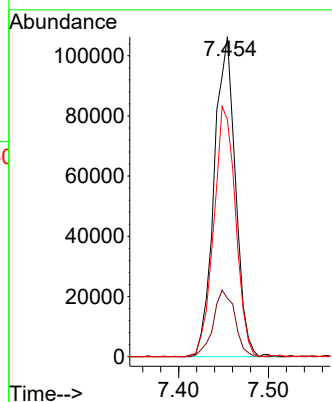
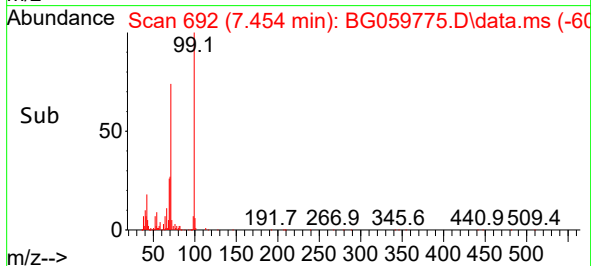
Instrument :
BNA_G
ClientSampleId :
350



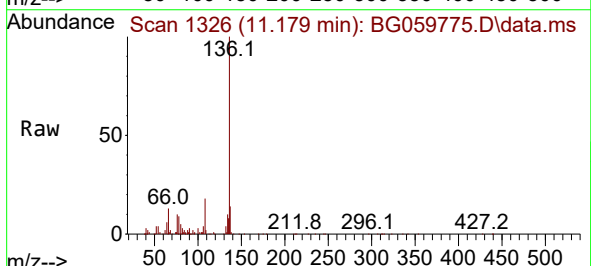
Tgt Ion: 99 Resp: 17447
Ion Ratio Lower Upper
99 100
42 18.3 14.3 21.5
71 74.1 59.3 88.9

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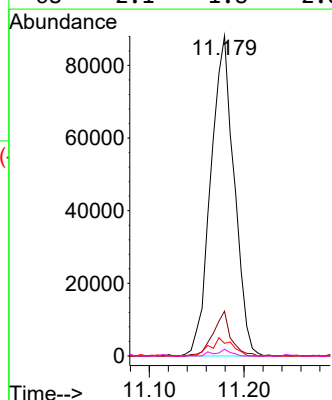
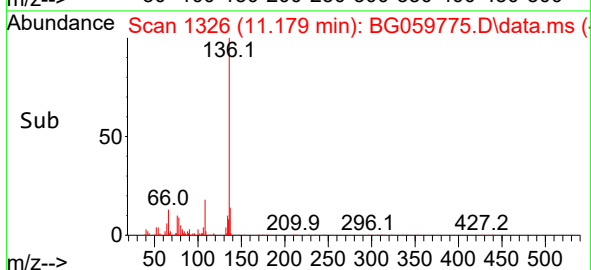
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

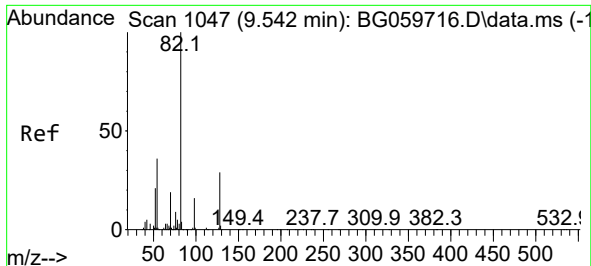


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 1326
Delta R.T. -0.014 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08



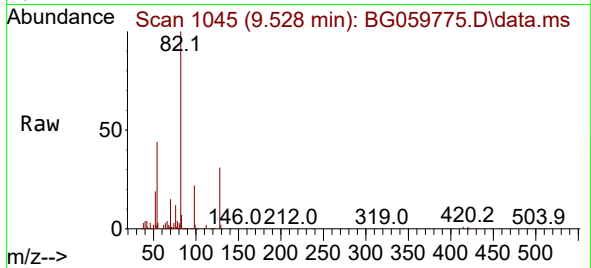
Tgt Ion:136 Resp: 150968
Ion Ratio Lower Upper
136 100
137 14.0 7.4 11.0#
54 3.9 3.1 4.7
68 2.1 1.8 2.8





#23
Nitrobenzene-d5
Concen: 50.679 ng
RT: 9.528 min Scan# 1045
Delta R.T. -0.014 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

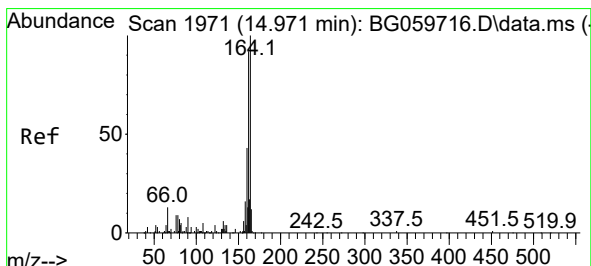
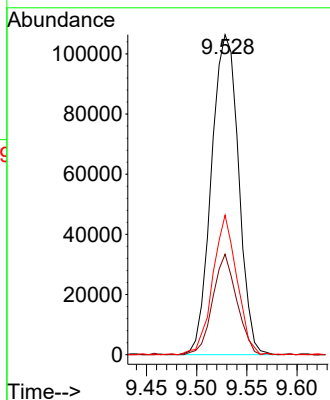
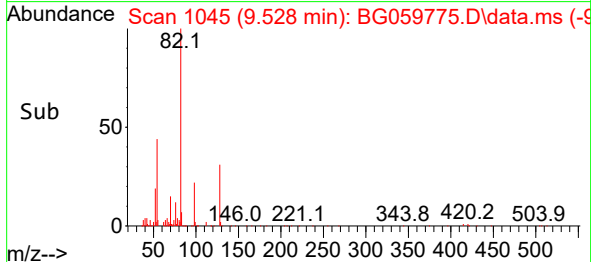
Instrument :
BNA_G
ClientSampleId :
350



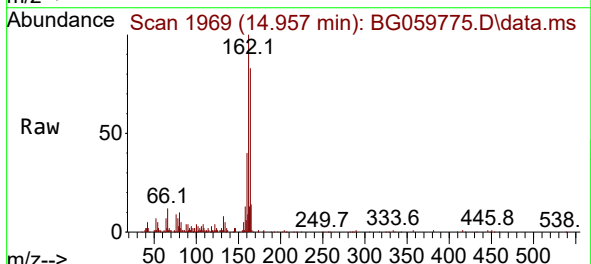
Tgt Ion: 82 Resp: 200329
Ion Ratio Lower Upper
82 100
128 31.4 23.0 34.6
54 43.6 28.7 43.1

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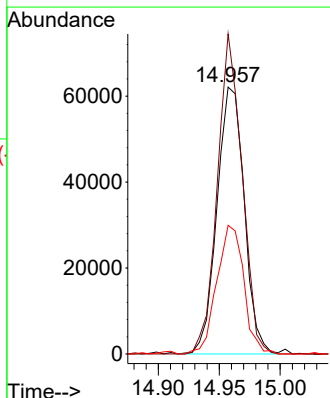
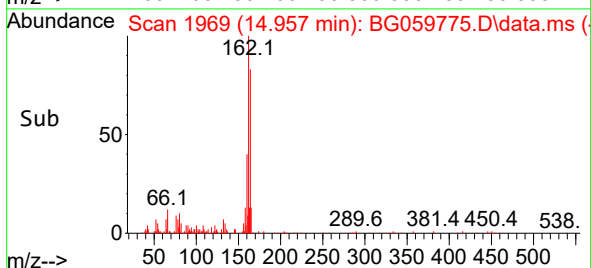
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

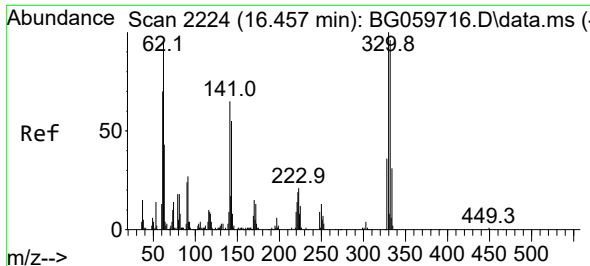


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.957 min Scan# 1969
Delta R.T. -0.014 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08



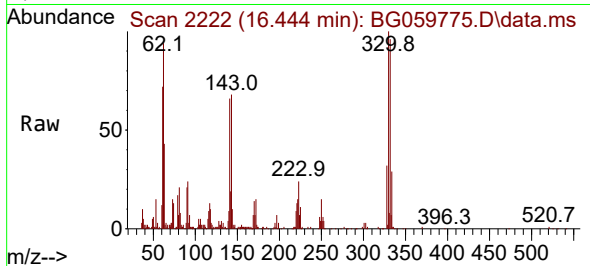
Tgt Ion:164 Resp: 96793
Ion Ratio Lower Upper
164 100
162 119.9 73.3 109.9#
160 48.2 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 82.987 ng
RT: 16.444 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

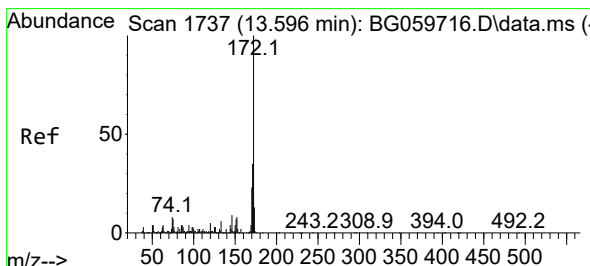
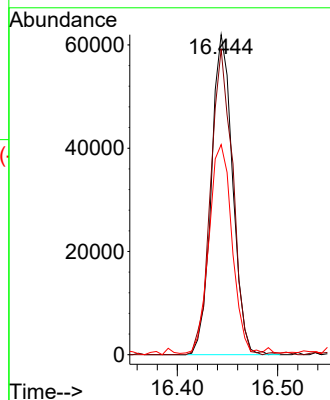
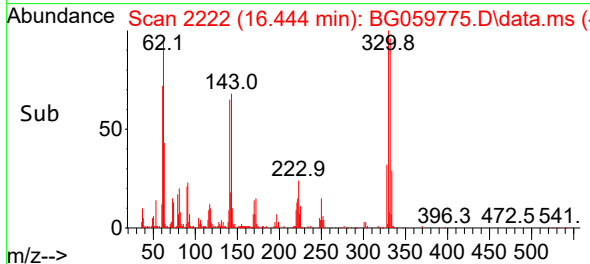
Instrument :
BNA_G
ClientSampleId :
350



Tgt Ion:330 Resp: 91139
Ion Ratio Lower Upper
330 100
332 98.3 73.3 109.9
141 70.6 52.1 78.1

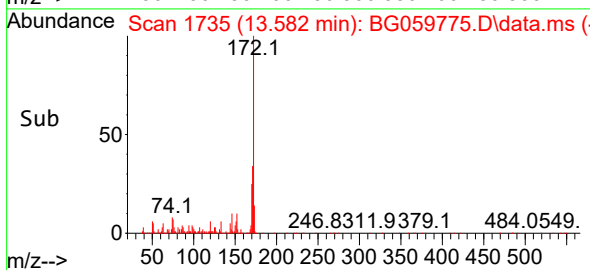
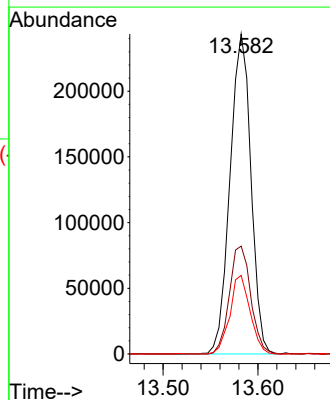
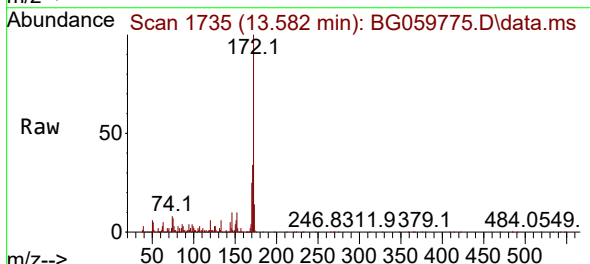
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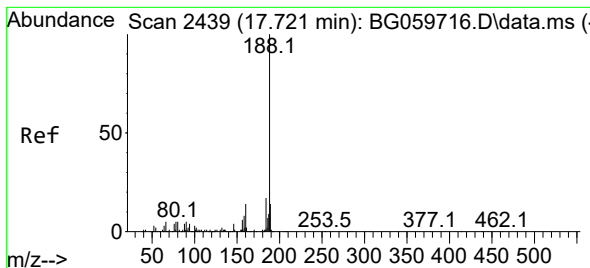
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#45
2-Fluorobiphenyl
Concen: 51.867 ng
RT: 13.582 min Scan# 1735
Delta R.T. -0.014 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

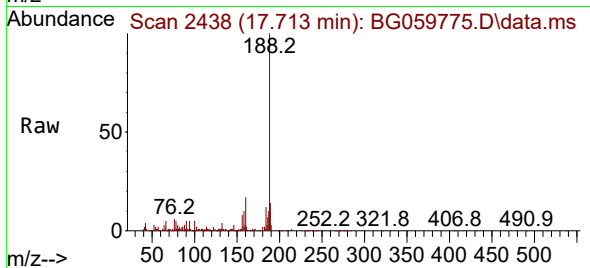
Tgt Ion:172 Resp: 372971
Ion Ratio Lower Upper
172 100
171 33.7 27.7 41.5
170 24.5 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2438
Delta R.T. -0.008 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

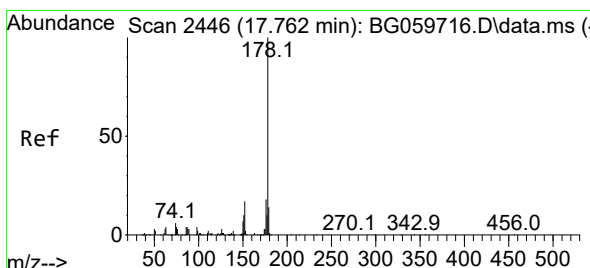
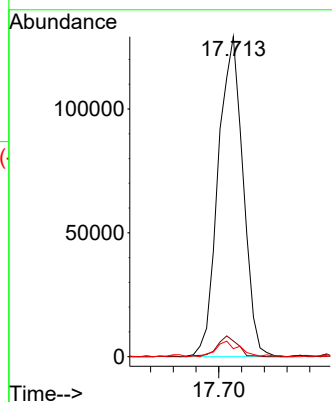
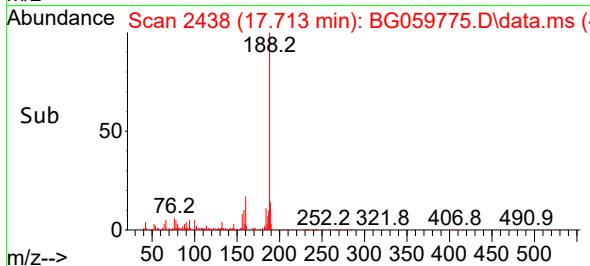
Instrument :
BNA_G
ClientSampleId :
350



Tgt Ion:188 Resp: 196335
Ion Ratio Lower Upper
188 100
94 4.9 3.0 4.4
80 2.5 4.2 6.4

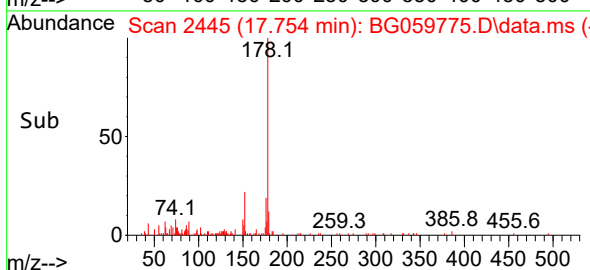
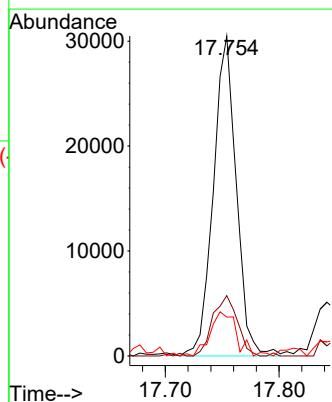
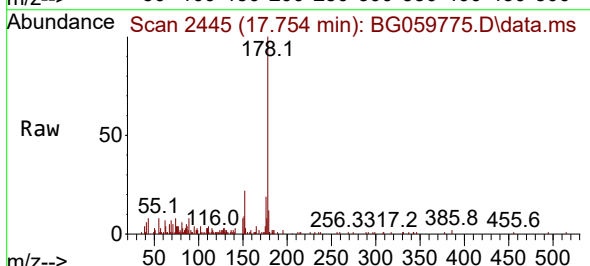
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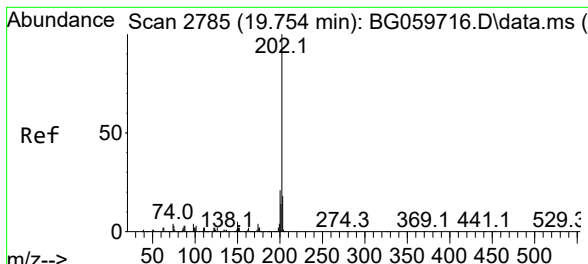
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#71
Phenanthrene
Concen: 4.287 ng
RT: 17.754 min Scan# 2445
Delta R.T. -0.008 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

Tgt Ion:178 Resp: 42789
Ion Ratio Lower Upper
178 100
176 18.9 14.5 21.7
179 12.2 11.2 16.8





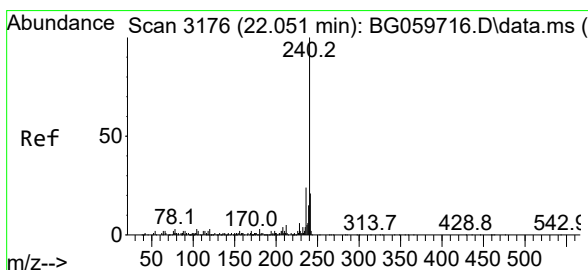
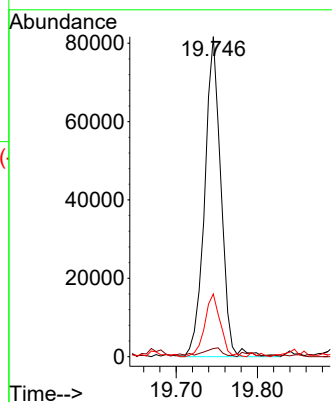
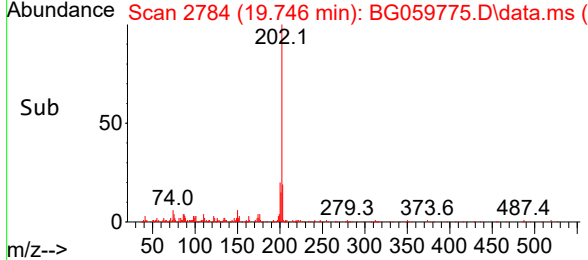
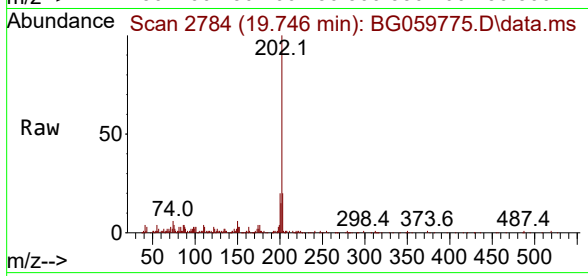
#75
 Fluoranthene
 Concen: 9.483 ng
 RT: 19.746 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG059775.D
 Acq: 20 Nov 2023 19:08

Instrument :
 BNA_G
 ClientSampleId :
 350

Tgt Ion:	202	Resp:	11352
Ion Ratio	Lower	Upper	
202	100		
101	2.5	0.0	22.7
203	19.6	0.0	38.2

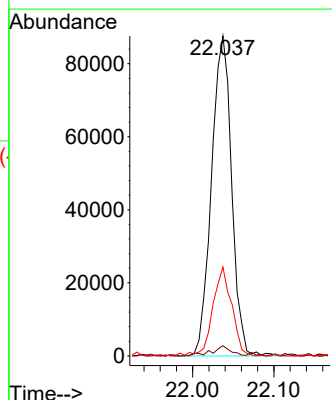
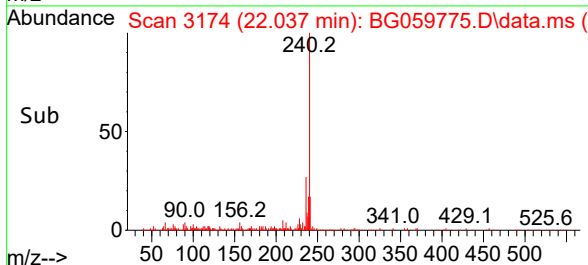
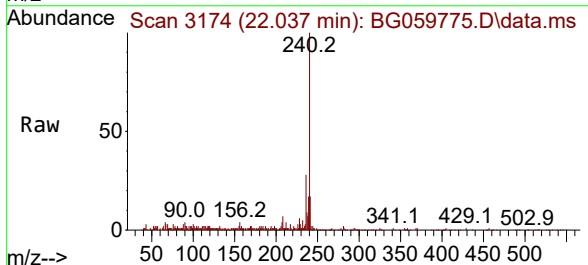
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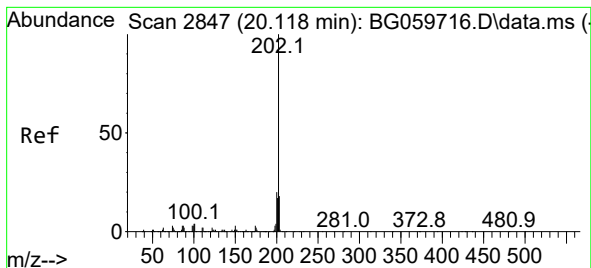
Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.037 min Scan# 3174
 Delta R.T. -0.014 min
 Lab File: BG059775.D
 Acq: 20 Nov 2023 19:08

Tgt Ion:	240	Resp:	150892
Ion Ratio	Lower	Upper	
240	100		
120	3.2	2.2	3.2
236	27.8	19.4	29.2





#78

Pyrene

Concen: 10.531 ng

RT: 20.110 min Scan# 2846

Delta R.T. -0.008 min

Lab File: BG059775.D

Acq: 20 Nov 2023 19:08

Instrument :

BNA_G

ClientSampleId :

350

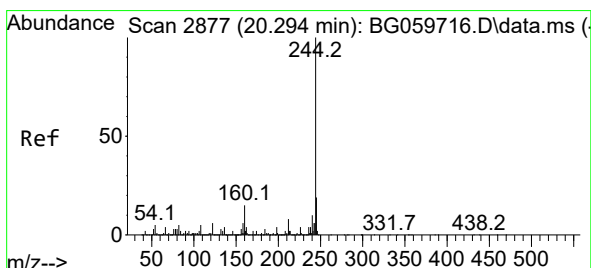
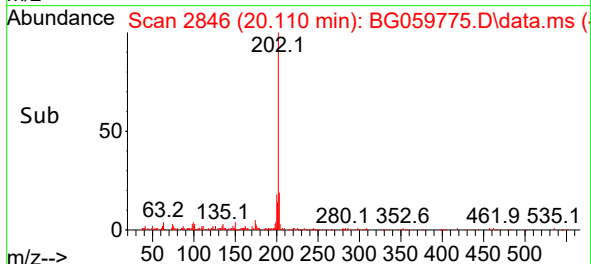
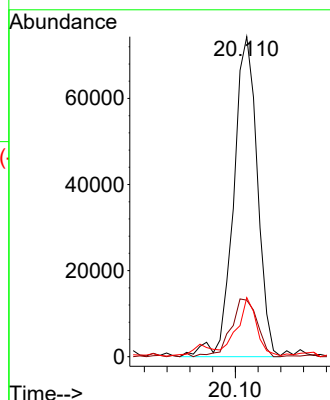
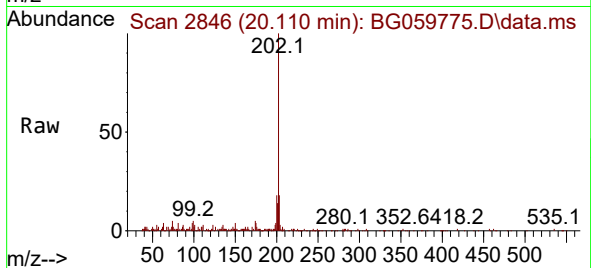
Tgt Ion:202	Resp: 10811
Ion Ratio	Lower Upper
202	100
200	17.6 16.2 24.4
203	18.5 14.0 21.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#79

Terphenyl-d14

Concen: 54.895 ng

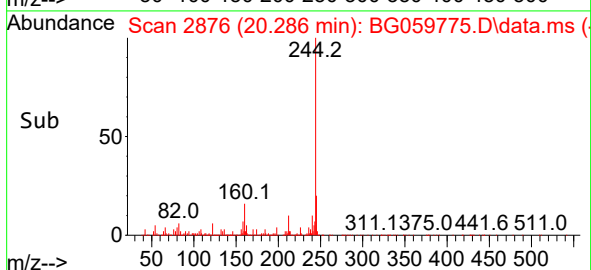
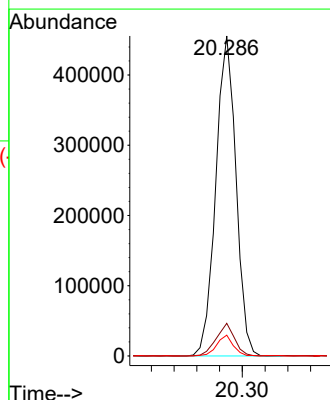
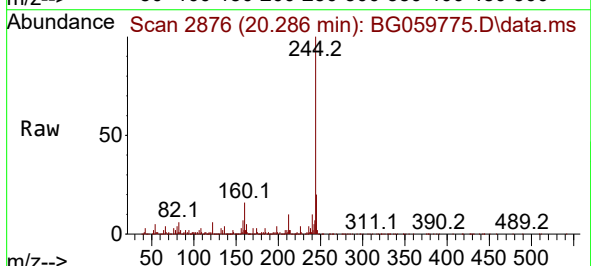
RT: 20.286 min Scan# 2876

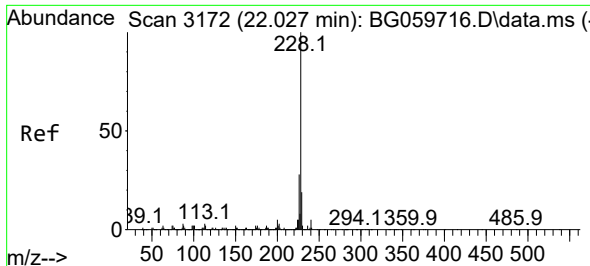
Delta R.T. -0.008 min

Lab File: BG059775.D

Acq: 20 Nov 2023 19:08

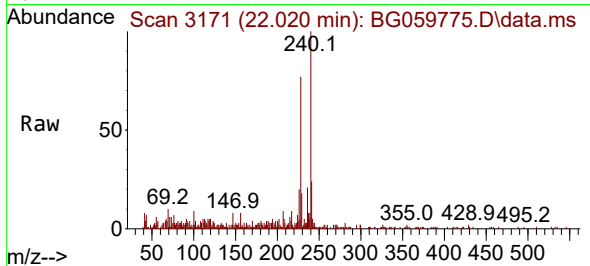
Tgt Ion:244	Resp: 561096
Ion Ratio	Lower Upper
244	100
212	10.2 6.6 10.0#
122	6.5 4.4 6.6





#81
Benzo(a)anthracene
Concen: 4.447 ng
RT: 22.020 min Scan# 3171
Delta R.T. -0.008 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

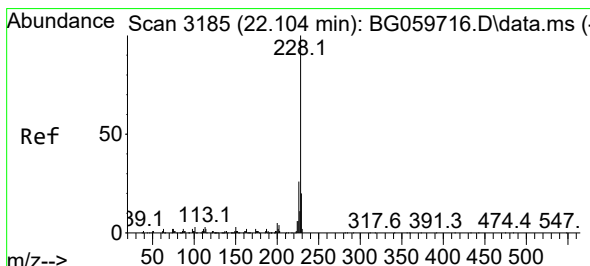
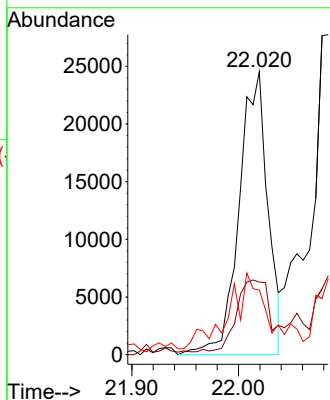
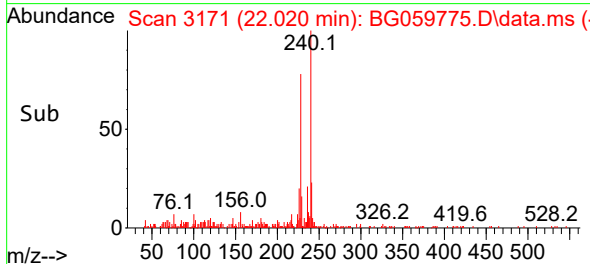
Instrument :
BNA_G
ClientSampleId :
350



Tgt Ion:228 Resp: 45912
Ion Ratio Lower Upper
228 100
226 25.7 22.1 33.1
229 22.8 14.9 22.3

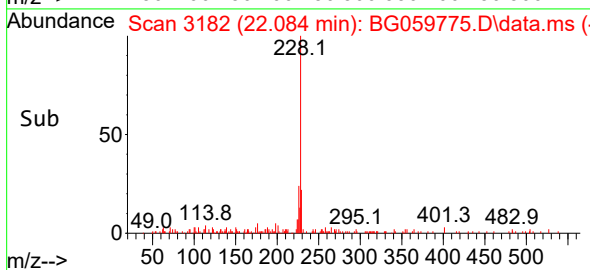
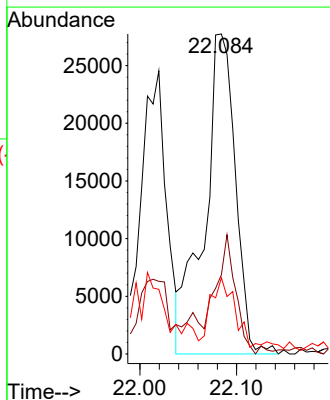
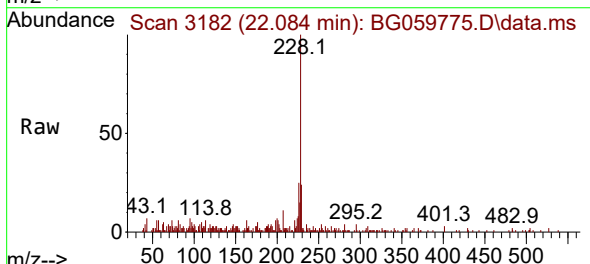
Manual Integrations
APPROVED

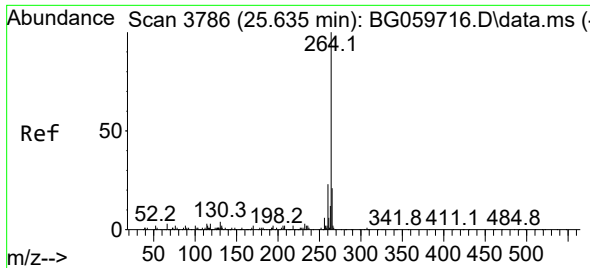
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#83
Chrysene
Concen: 6.539 ng m
RT: 22.084 min Scan# 3182
Delta R.T. -0.020 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

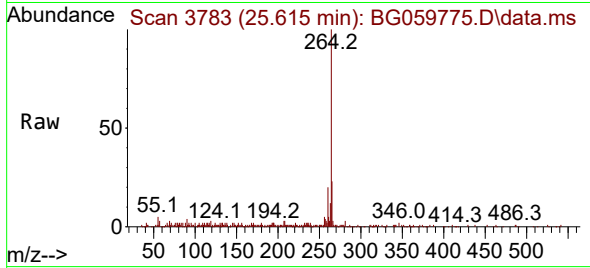
Tgt Ion:228 Resp: 61887
Ion Ratio Lower Upper
228 100
226 24.7 21.1 31.7
229 23.8 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.615 min Scan# 31
Delta R.T. -0.020 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

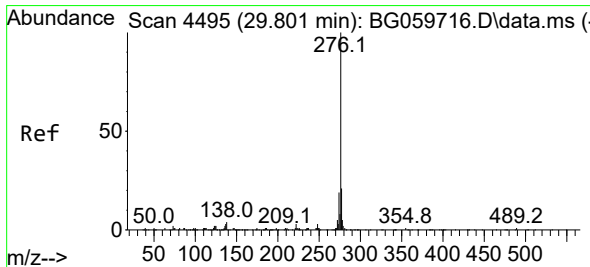
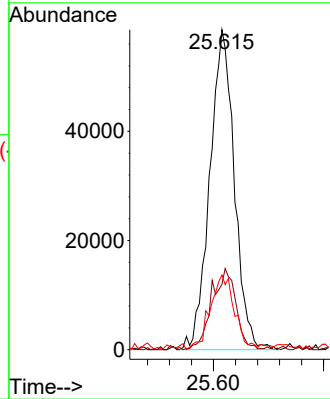
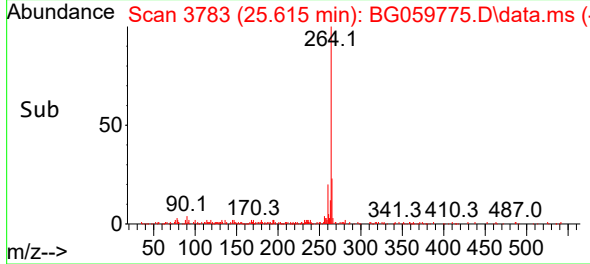
Instrument :
BNA_G
ClientSampleId :
350



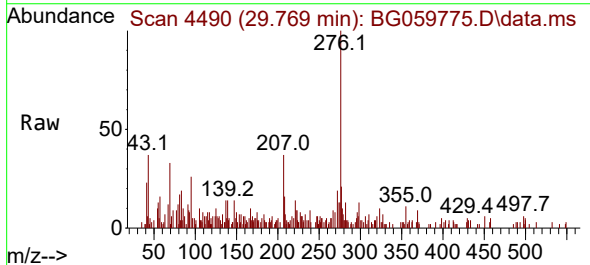
Tgt Ion:264 Resp: 181624
Ion Ratio Lower Upper
264 100
260 20.5 18.5 27.7
265 23.4 17.0 25.6

Manual Integrations
APPROVED

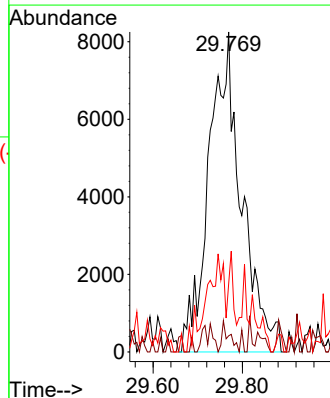
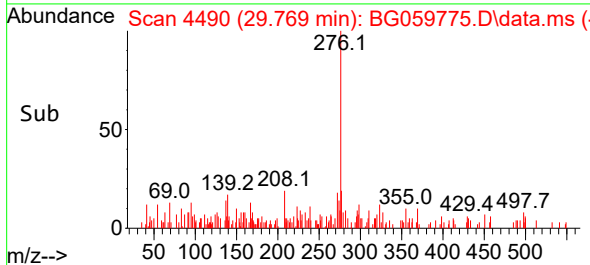
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

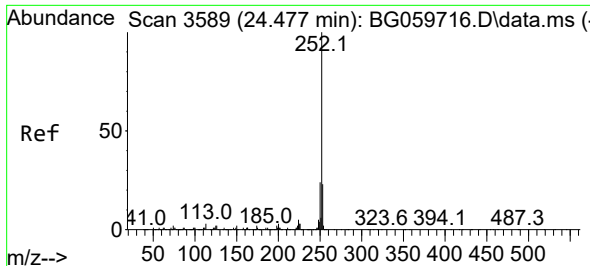


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.025 ng m
RT: 29.769 min Scan# 4490
Delta R.T. -0.031 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08



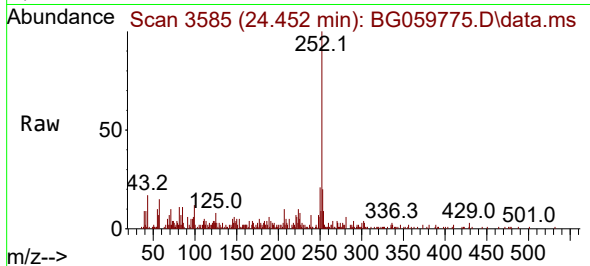
Tgt Ion:276 Resp: 41577
Ion Ratio Lower Upper
276 100
138 2.2 1.8 2.6
277 9.9 9.8 14.6





#88
Benzo(b)fluoranthene
Concen: 7.644 ng
RT: 24.452 min Scan# 3589
Delta R.T. -0.025 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08

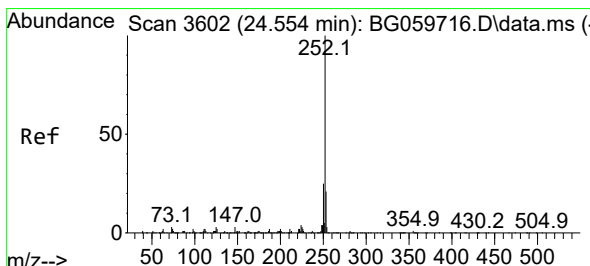
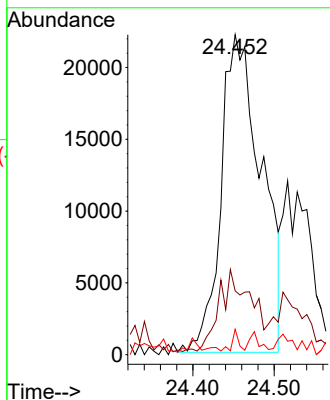
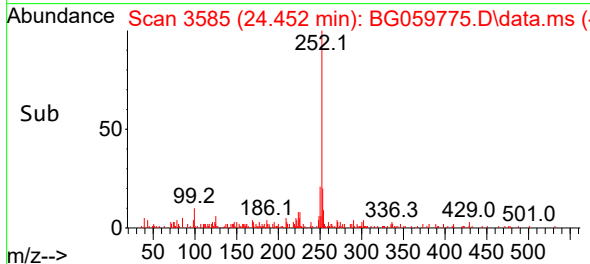
Instrument :
BNA_G
ClientSampleId :
350



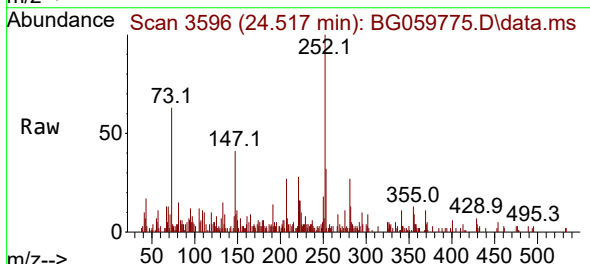
Tgt Ion:252 Resp: 7609
Ion Ratio Lower Upper
252 100
253 20.0 18.3 27.5
125 7.9 1.4 2.0

Manual Integrations
APPROVED

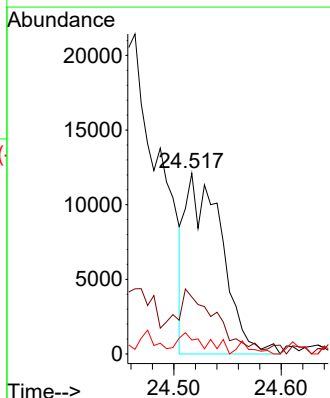
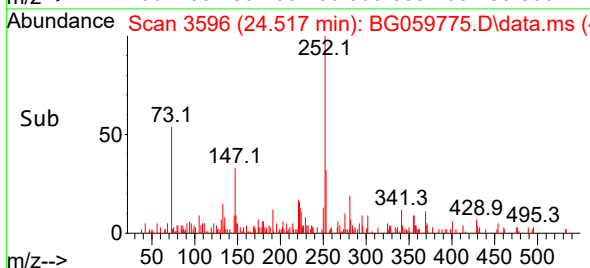
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

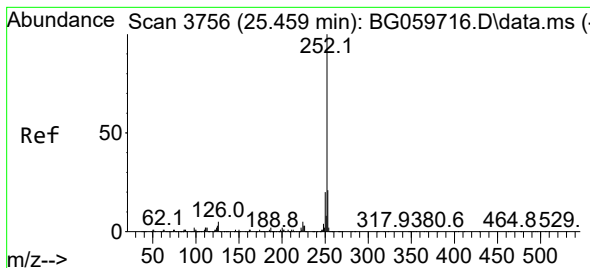


#89
Benzo(k)fluoranthene
Concen: 2.908 ng m
RT: 24.517 min Scan# 3596
Delta R.T. -0.037 min
Lab File: BG059775.D
Acq: 20 Nov 2023 19:08



Tgt Ion:252 Resp: 28623
Ion Ratio Lower Upper
252 100
253 31.5 17.1 25.7#
125 7.7 2.2 3.2#





#90

Benzo(a)pyrene

Concen: 4.390 ng

RT: 25.433 min Scan# 31

Delta R.T. -0.025 min

Lab File: BG059775.D

Acq: 20 Nov 2023 19:08

Instrument :

BNA_G

ClientSampleId :

350

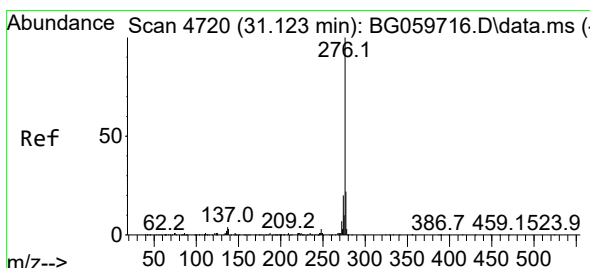
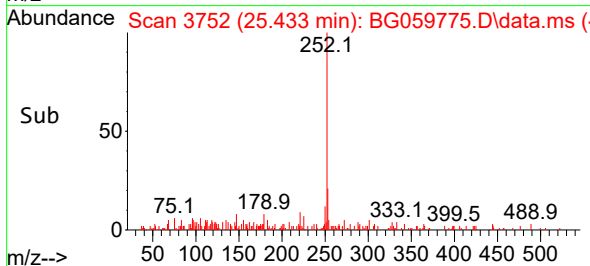
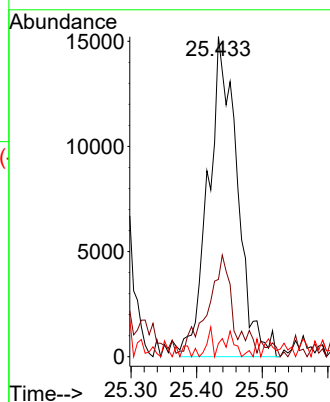
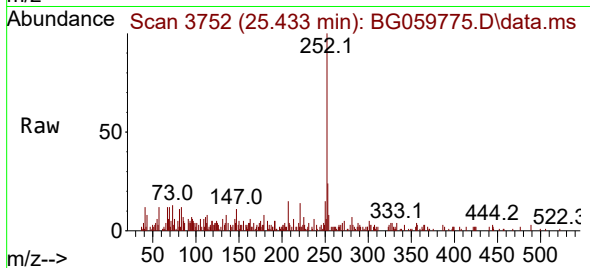
Tgt Ion:	252	Resp:	4663
Ion Ratio	Lower	Upper	
252	100		
253	24.1	16.8	25.2
125	4.1	2.0	3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#92

Benzo(g,h,i)perylene

Concen: 3.055 ng m

RT: 31.085 min Scan# 4714

Delta R.T. -0.037 min

Lab File: BG059775.D

Acq: 20 Nov 2023 19:08

Tgt Ion:	276	Resp:	33708
Ion Ratio	Lower	Upper	
276	100		
277	28.3	17.3	25.9#
138	0.0	2.6	4.0#

