

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
 Data File : BG059732.D
 Acq On : 17 Nov 2023 15:07
 Operator : MA/JU
 Sample : 05377-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 289

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 17 15:50:09 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	8.342	152	30446	20.000	ng	0.00
21) Naphthalene-d8	11.186	136	125393	20.000	ng	# 0.00
39) Acenaphthene-d10	14.970	164	74834	20.000	ng	# 0.00
64) Phenanthrene-d10	17.713	188	155064	20.000	ng	# 0.00
76) Chrysene-d12	22.044	240	139609	20.000	ng	0.00
86) Perylene-d12	25.628	264	169714	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.839	112	120606	66.674	ng	0.01
7) Phenol-d6	7.455	99	177490	66.213	ng	0.00
23) Nitrobenzene-d5	9.541	82	161309	49.131	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	58828	69.284	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	289209	52.020	ng	0.00
79) Terphenyl-d14	20.293	244	384670	40.676	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.760	178	37761	4.790	ng	# 91
75) Fluoranthene	19.752	202	65799	6.960	ng	97
78) Pyrene	20.116	202	52077	5.482	ng	# 92
81) Benzo(a)anthracene	22.026	228	25631m	2.683	ng	
83) Chrysene	22.091	228	27335	3.122	ng	96
88) Benzo(b)fluoranthene	24.470	252	46668	5.017	ng	# 100
89) Benzo(k)fluoranthene	24.535	252	23276m	2.531	ng	
90) Benzo(a)pyrene	25.445	252	33543	3.379	ng	# 94

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

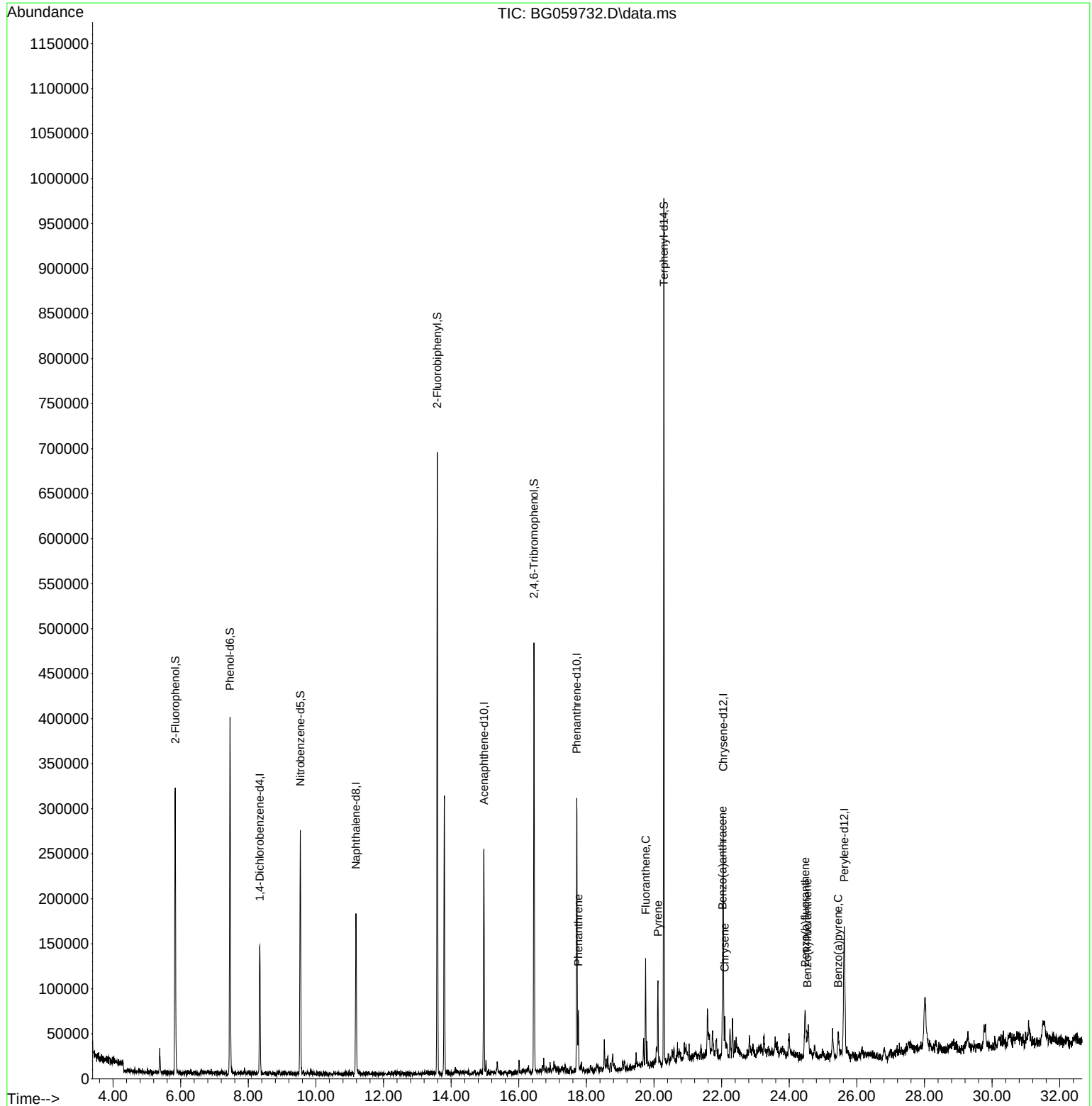
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
Data File : BG059732.D
Acq On : 17 Nov 2023 15:07
Operator : MA/JU
Sample : 05377-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

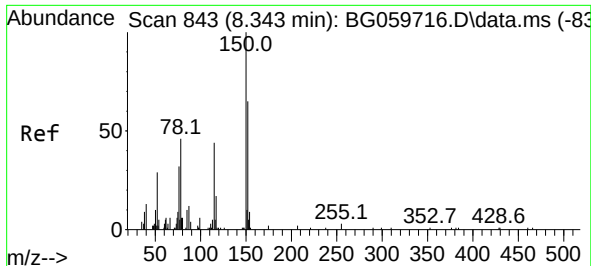
Instrument :
BNA_G
ClientSampleId :
289

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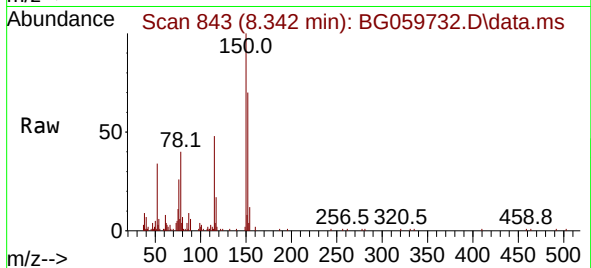
Quant Time: Nov 17 15:50:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.342 min Scan# 843
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

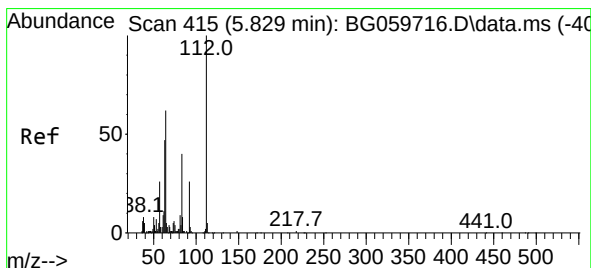
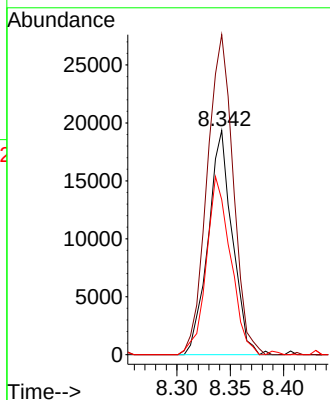
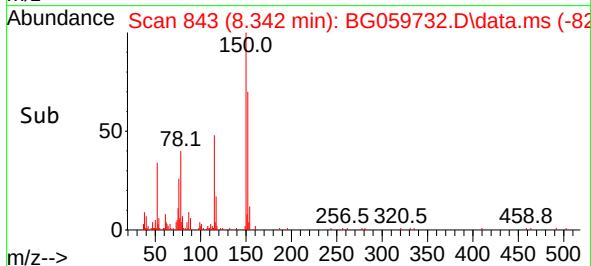
Instrument :
BNA_G
ClientSampleId :
289



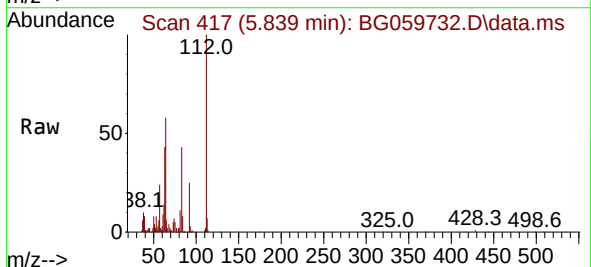
Tgt Ion:152 Resp: 30440
Ion Ratio Lower Upper
152 100
150 142.7 122.2 183.4
115 69.1 54.2 81.4

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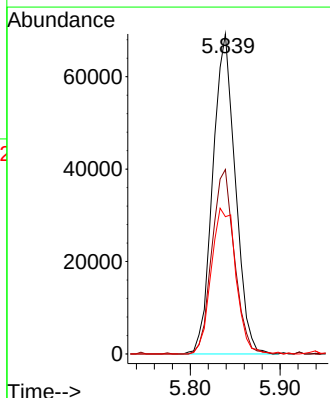
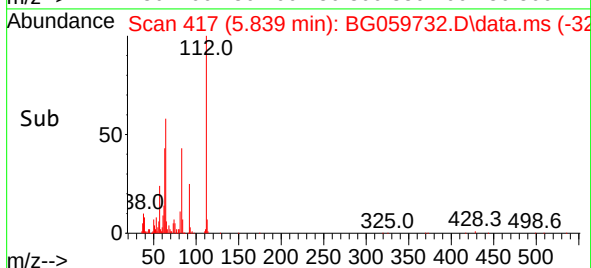
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

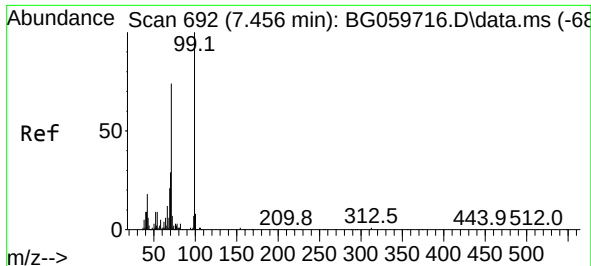


#5
2-Fluorophenol
Concen: 66.674 ng
RT: 5.839 min Scan# 417
Delta R.T. 0.010 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07



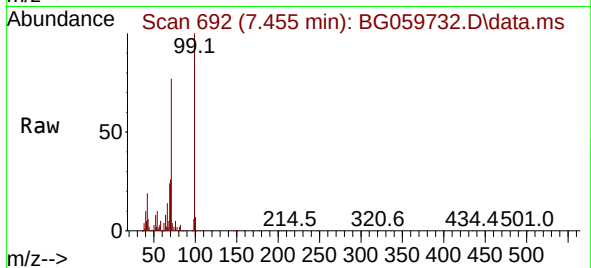
Tgt Ion:112 Resp: 120606
Ion Ratio Lower Upper
112 100
64 57.6 49.5 74.3
63 42.9 37.4 56.2





#7
Phenol-d6
Concen: 66.213 ng
RT: 7.455 min Scan# 692
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

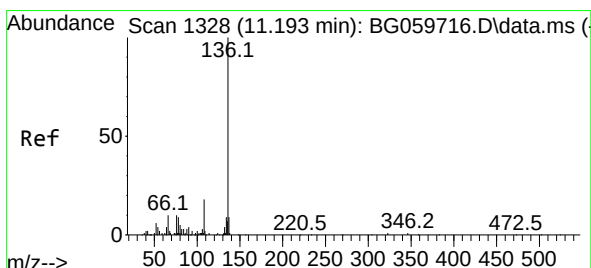
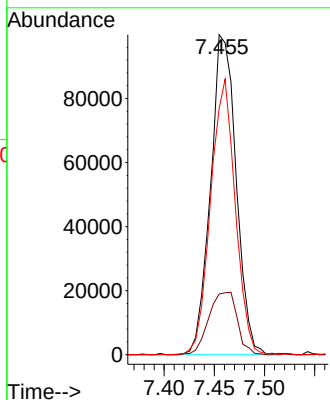
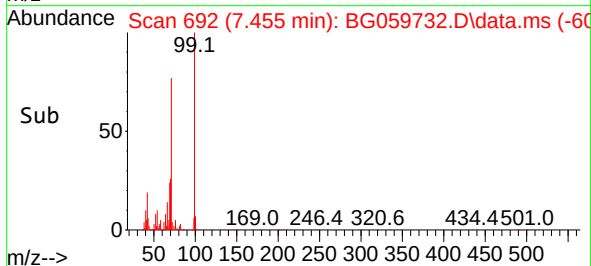
Instrument :
BNA_G
ClientSampleId :
289



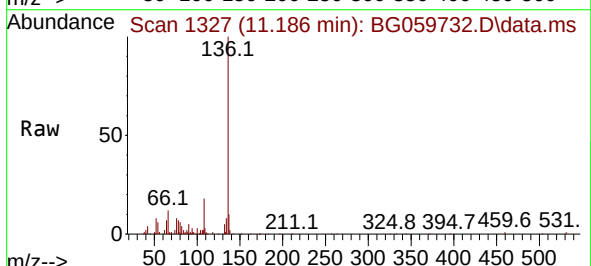
Tgt Ion: 99 Resp: 177490
Ion Ratio Lower Upper
99 100
42 19.0 14.3 21.5
71 76.9 59.3 88.9

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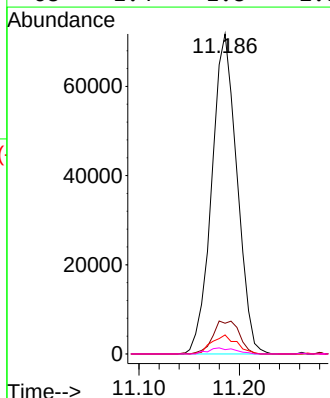
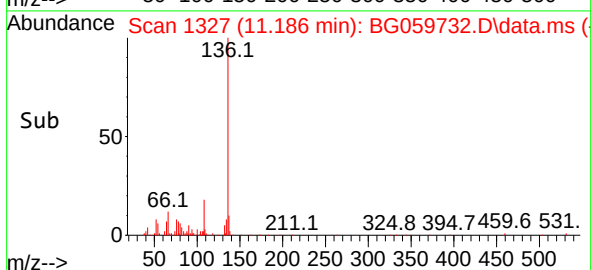
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

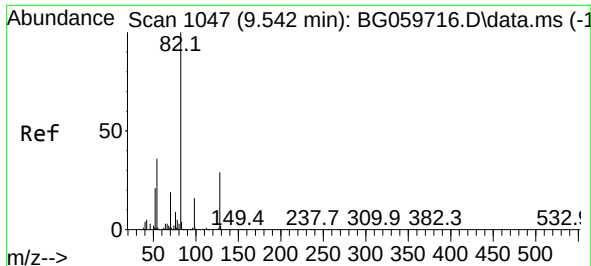


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.186 min Scan# 1327
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07



Tgt Ion:136 Resp: 125393
Ion Ratio Lower Upper
136 100
137 9.6 7.4 11.0
54 5.9 3.1 4.7#
68 1.4 1.8 2.8#





#23

Nitrobenzene-d5

Concen: 49.131 ng

RT: 9.541 min Scan# 1047

Delta R.T. -0.001 min

Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

Instrument :

BNA_G

ClientSampleId :

289

Tgt Ion: 82 Resp: 161309

Ion Ratio Lower Upper

82 100

128 24.8 23.0 34.6

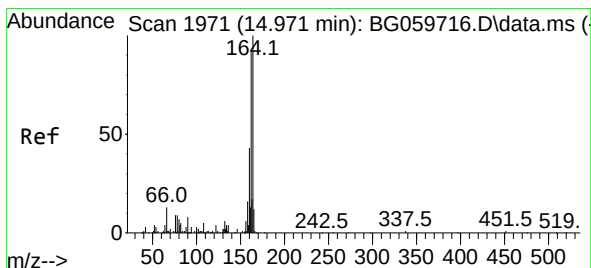
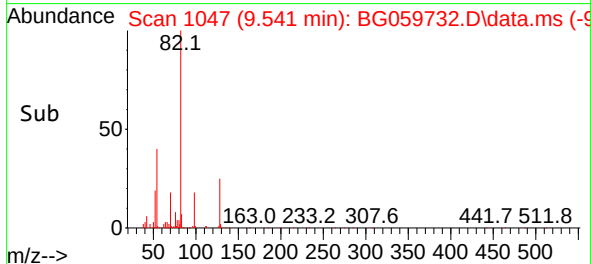
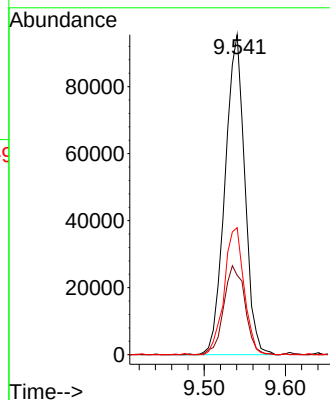
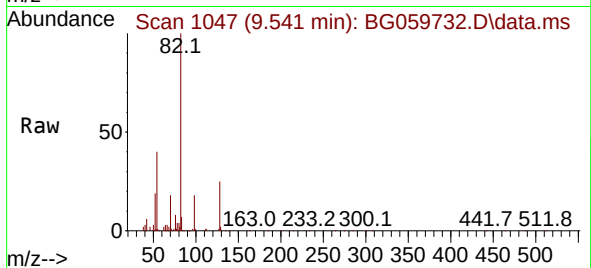
54 39.7 28.7 43.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.970 min Scan# 1971

Delta R.T. -0.001 min

Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

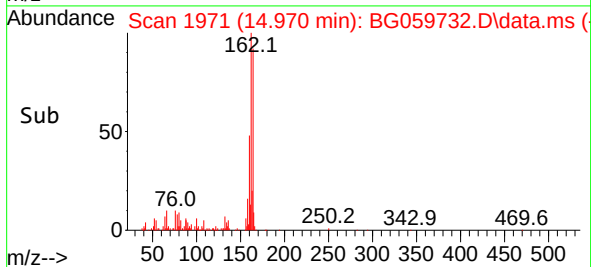
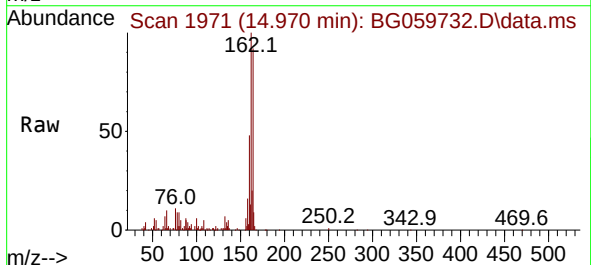
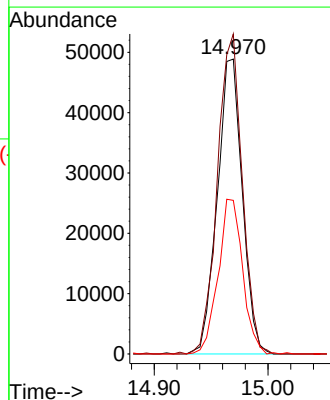
Tgt Ion:164 Resp: 74834

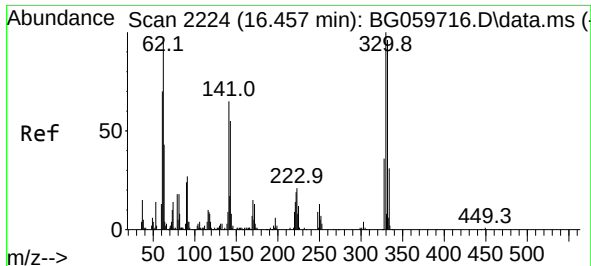
Ion Ratio Lower Upper

164 100

162 108.5 73.3 109.9

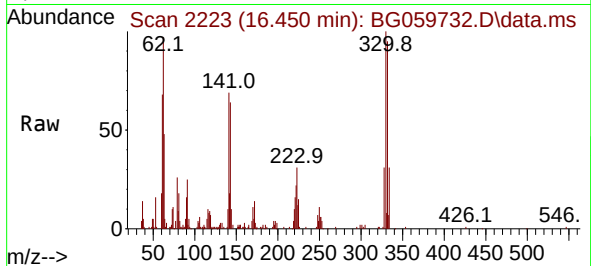
160 52.1 34.1 51.1#





#42
2,4,6-Tribromophenol
Concen: 69.284 ng
RT: 16.450 min Scan# 2189
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

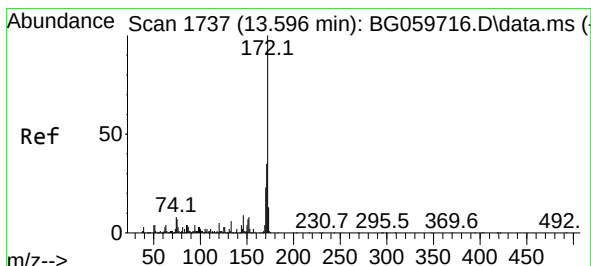
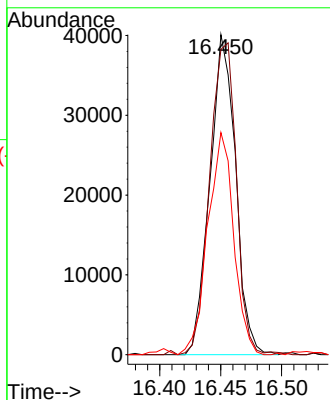
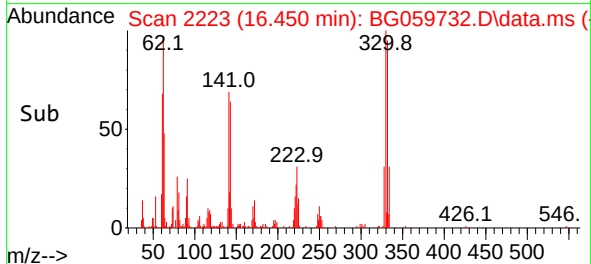
Instrument :
BNA_G
ClientSampleId :
289



Tgt Ion:330 Resp: 58828
Ion Ratio Lower Upper
330 100
332 101.5 73.3 109.9
141 70.0 52.1 78.1

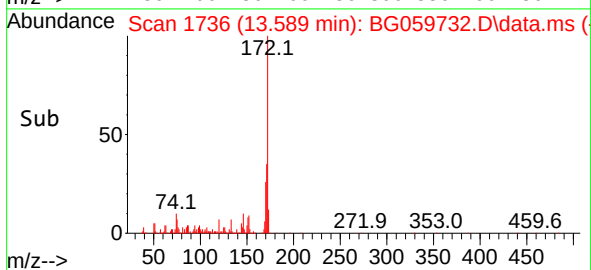
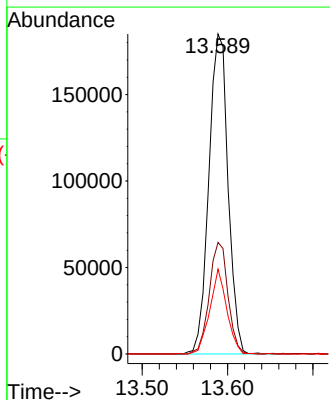
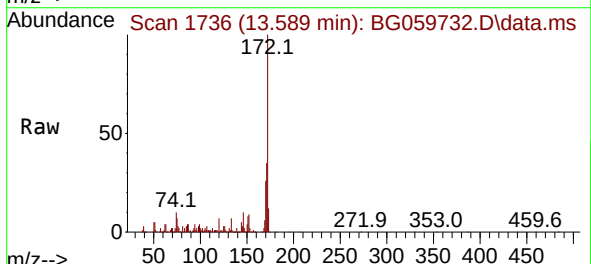
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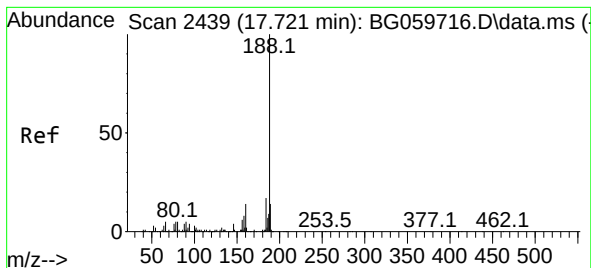
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023



#45
2-Fluorobiphenyl
Concen: 52.020 ng
RT: 13.589 min Scan# 1736
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Tgt Ion:172 Resp: 289209
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 26.5 18.4 27.6





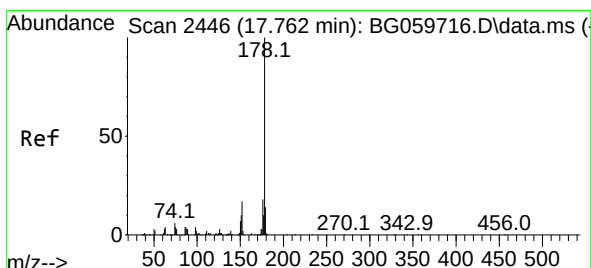
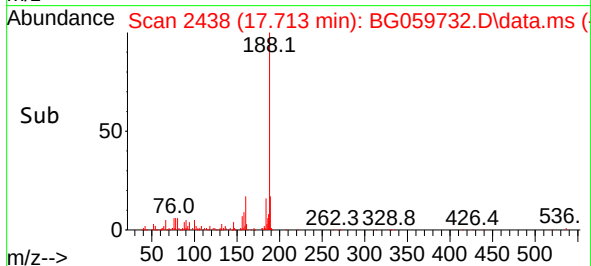
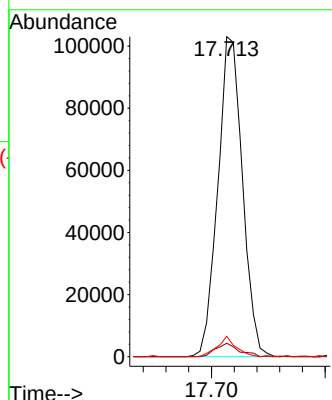
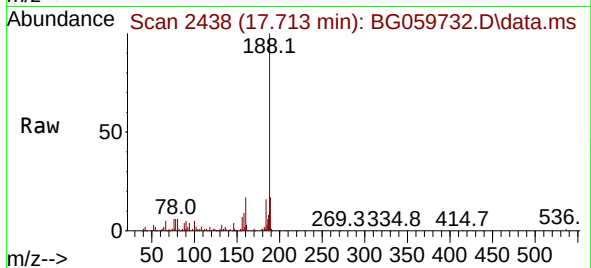
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2439
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Instrument :
BNA_G
ClientSampleId :
289

Tgt Ion:188 Resp: 155064
Ion Ratio Lower Upper
188 100
94 4.2 3.0 4.4
80 6.4 4.2 6.4

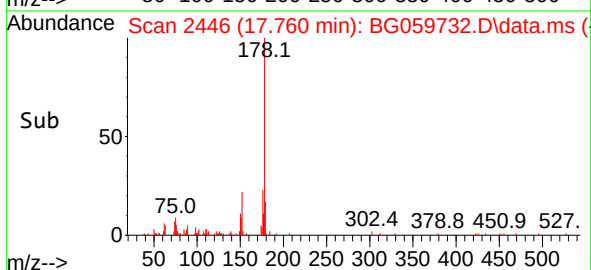
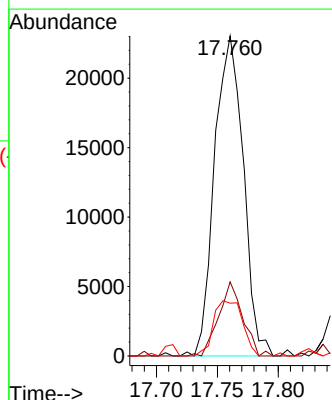
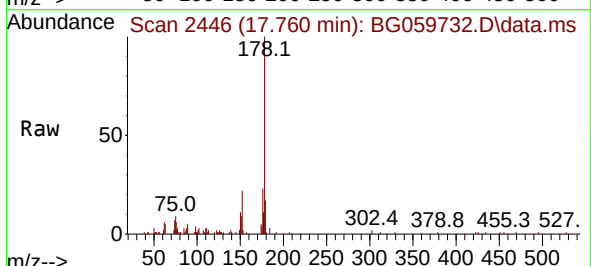
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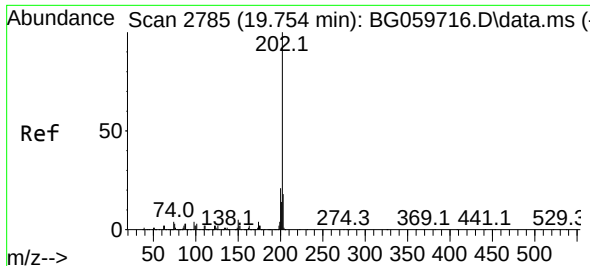
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023



#71
Phenanthrene
Concen: 4.790 ng
RT: 17.760 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

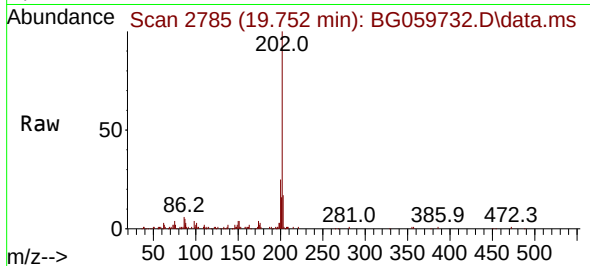
Tgt Ion:178 Resp: 37761
Ion Ratio Lower Upper
178 100
176 23.2 14.5 21.7#
179 16.5 11.2 16.8





#75
Fluoranthene
Concen: 6.960 ng
RT: 19.752 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

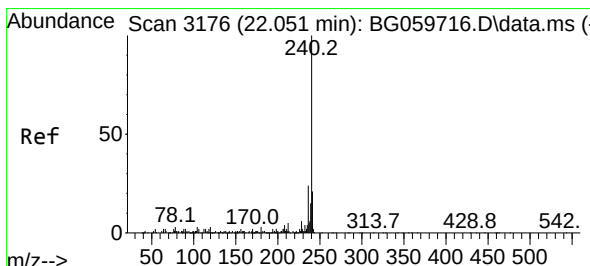
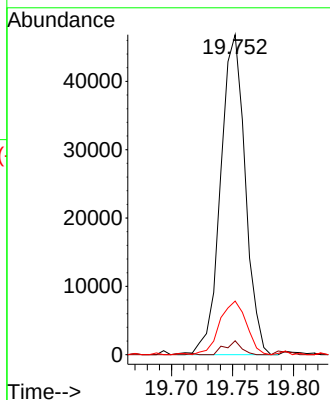
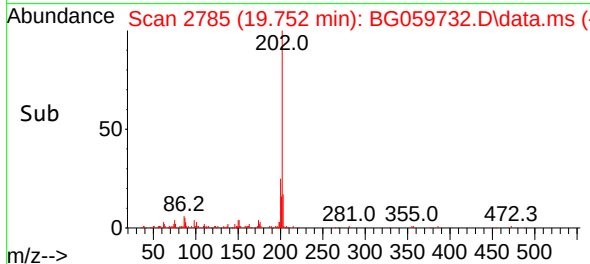
Instrument :
BNA_G
ClientSampleId :
289



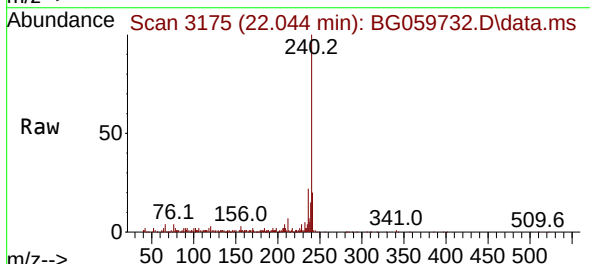
Tgt Ion:202 Resp: 65799
Ion Ratio Lower Upper
202 100
101 4.4 0.0 22.7
203 16.8 0.0 38.2

Manual Integrations
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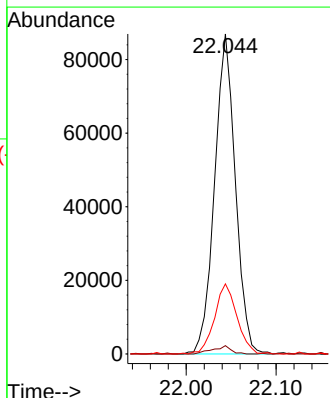
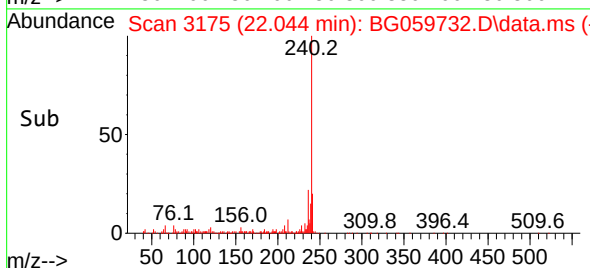
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

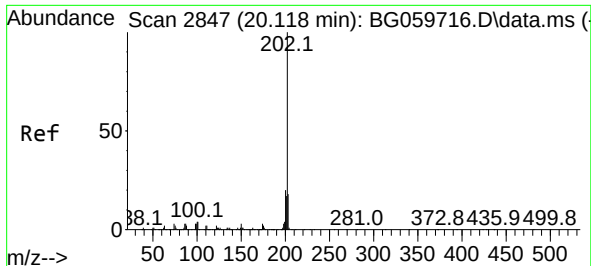


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.044 min Scan# 3175
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07



Tgt Ion:240 Resp: 139609
Ion Ratio Lower Upper
240 100
120 2.6 2.2 3.2
236 21.9 19.4 29.2





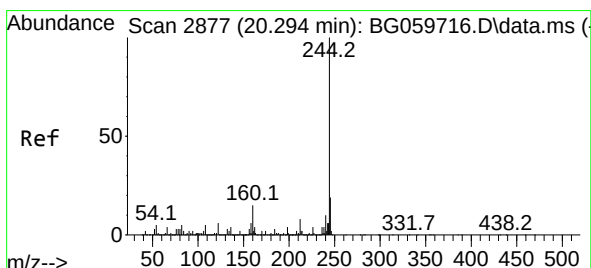
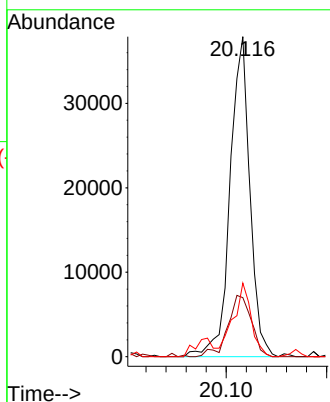
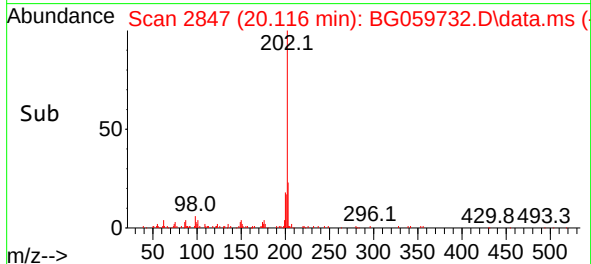
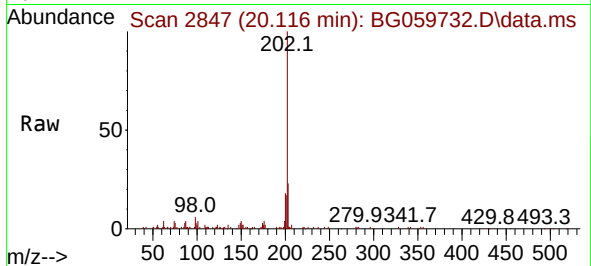
#78
 Pyrene
 Concen: 5.482 ng
 RT: 20.116 min Scan# 2847
 Delta R.T. -0.001 min
 Lab File: BG059732.D
 Acq: 17 Nov 2023 15:07

Instrument :
 BNA_G
 ClientSampleId :
 289

Tgt Ion:202 Resp: 5207
 Ion Ratio Lower Upper
 202 100
 200 18.5 16.2 24.4
 203 23.0 14.0 21.0

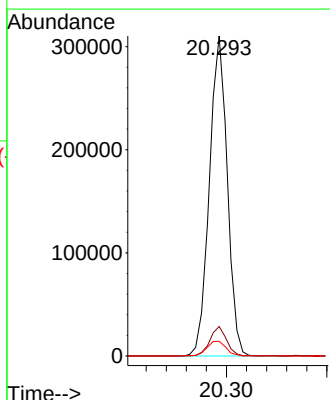
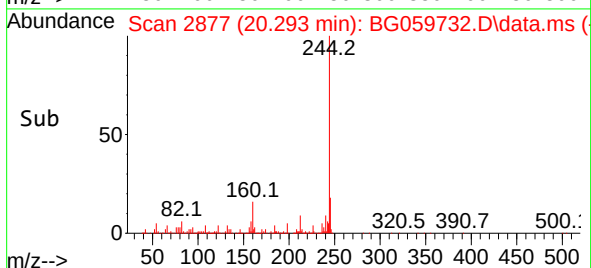
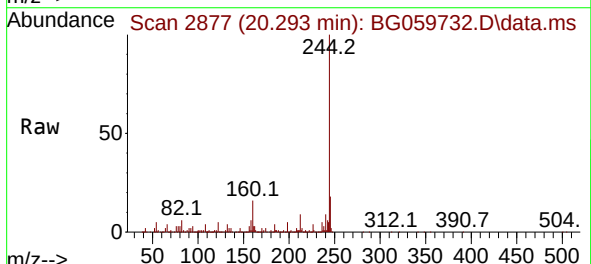
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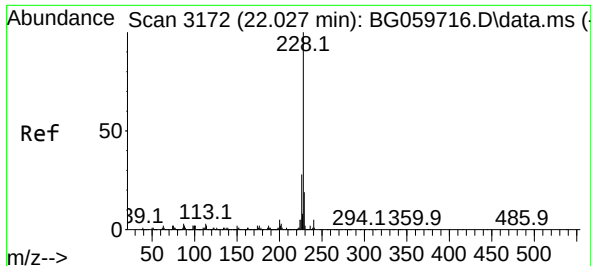
Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/21/2023



#79
 Terphenyl-d14
 Concen: 40.676 ng
 RT: 20.293 min Scan# 2877
 Delta R.T. -0.001 min
 Lab File: BG059732.D
 Acq: 17 Nov 2023 15:07

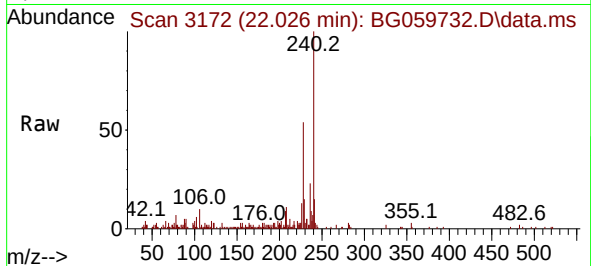
Tgt Ion:244 Resp: 384670
 Ion Ratio Lower Upper
 244 100
 212 9.2 6.6 10.0
 122 4.6 4.4 6.6





#81
Benzo(a)anthracene
Concen: 2.683 ng m
RT: 22.026 min Scan# 3172
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

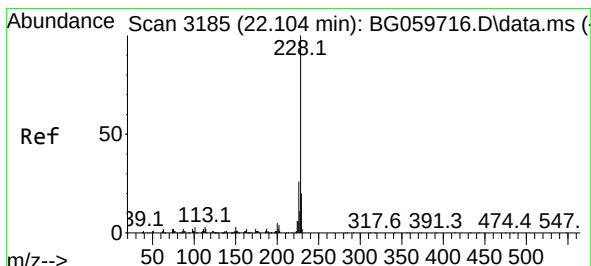
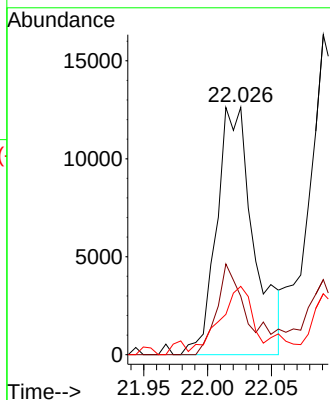
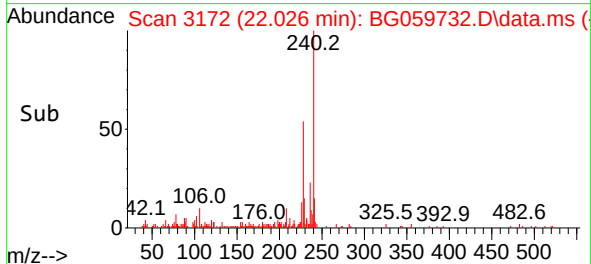
Instrument :
BNA_G
ClientSampleId :
289



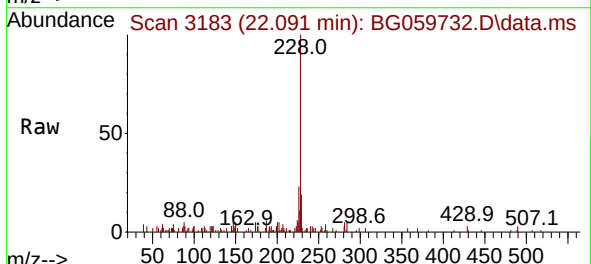
Tgt Ion:228 Resp: 2563
Ion Ratio Lower Upper
228 100
226 23.6 22.1 33.1
229 27.6 14.9 22.3

Manual Integrations
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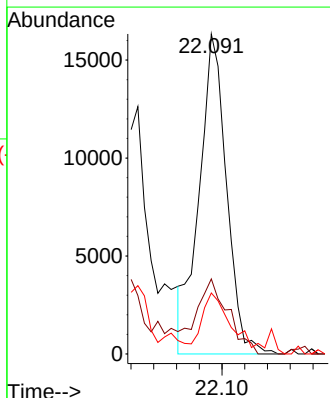
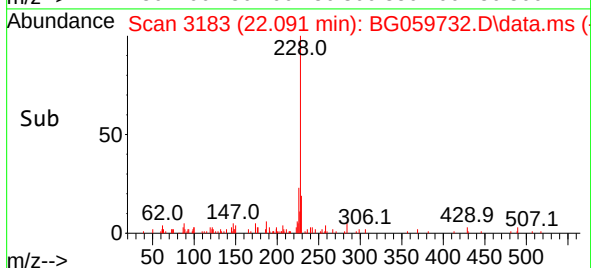
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

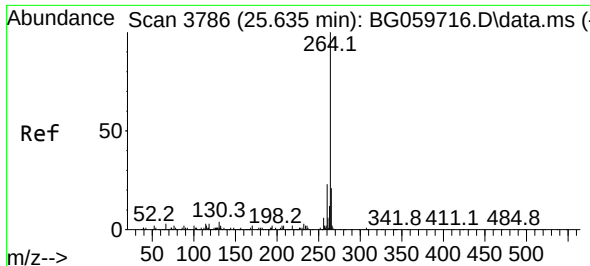


#83
Chrysene
Concen: 3.122 ng
RT: 22.091 min Scan# 3183
Delta R.T. -0.013 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07



Tgt Ion:228 Resp: 27335
Ion Ratio Lower Upper
228 100
226 23.4 21.1 31.7
229 19.0 16.2 24.4





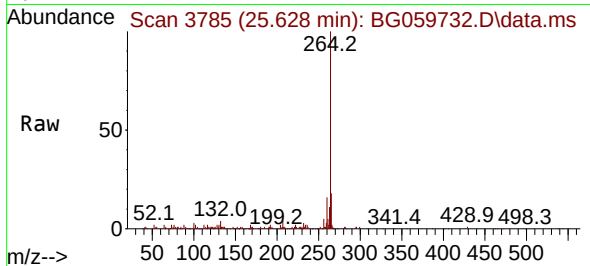
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.628 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: BG059732.D
 Acq: 17 Nov 2023 15:07

Instrument :

BNA_G

ClientSampleId :

289



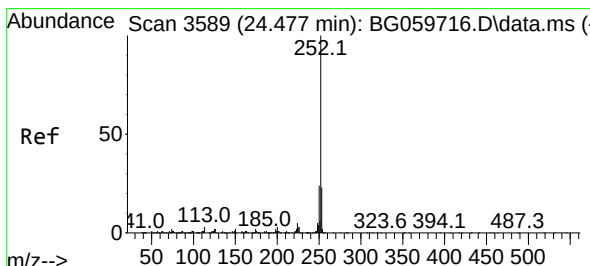
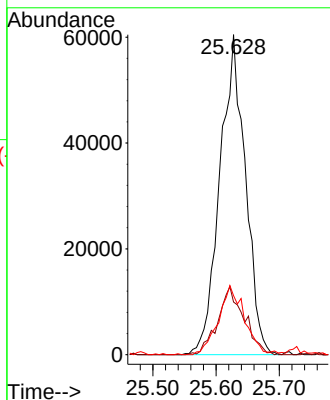
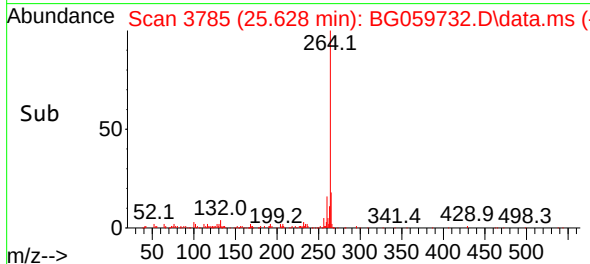
Tgt Ion:264 Resp: 169714
 Ion Ratio Lower Upper
 264 100
 260 16.4 18.5 27.7
 265 18.5 17.0 25.6

Manual Integrations

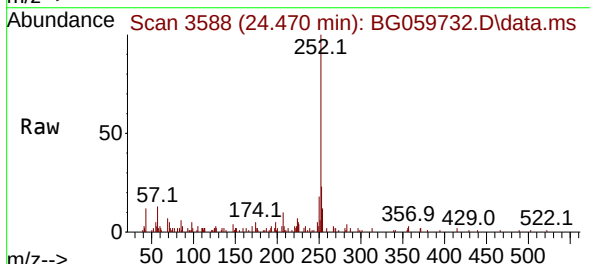
APPROVED

Reviewed By :Yogesh Patel 11/19/2023

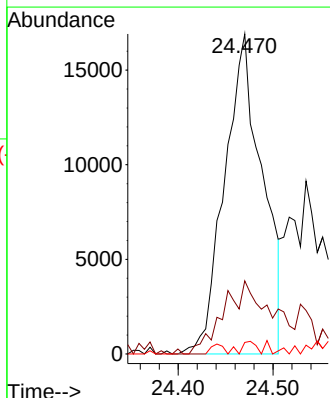
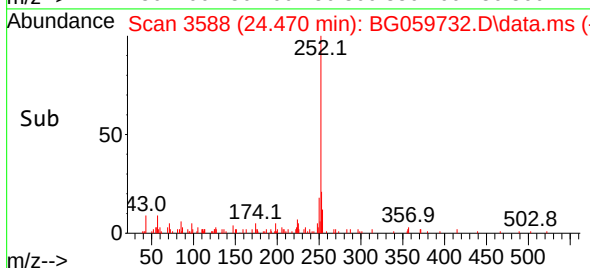
Supervised By :mohammad ahmed 11/21/2023

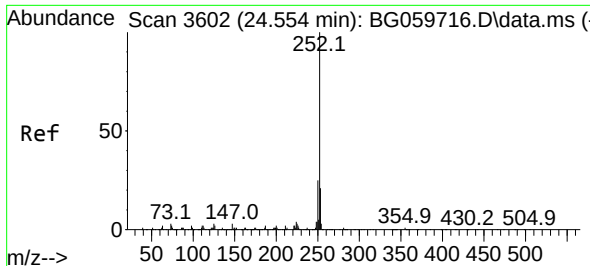


#88
 Benzo(b)fluoranthene
 Concen: 5.017 ng
 RT: 24.470 min Scan# 3588
 Delta R.T. -0.007 min
 Lab File: BG059732.D
 Acq: 17 Nov 2023 15:07



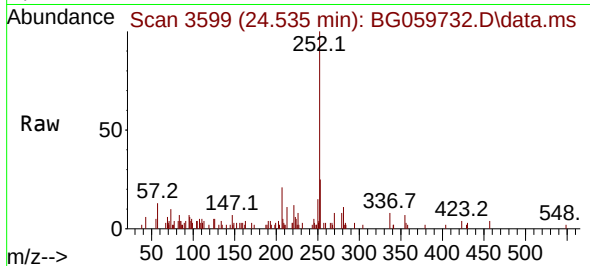
Tgt Ion:252 Resp: 46668
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.3 27.5
 125 3.6 1.4 2.0#





#89
Benzo(k)fluoranthene
Concen: 2.531 ng m
RT: 24.535 min Scan# 31
Delta R.T. -0.019 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

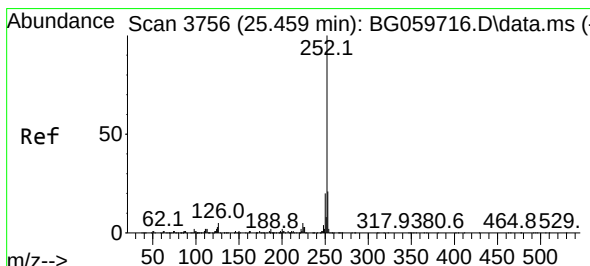
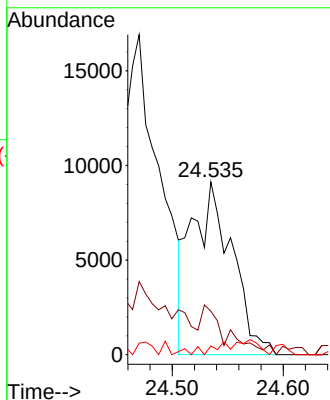
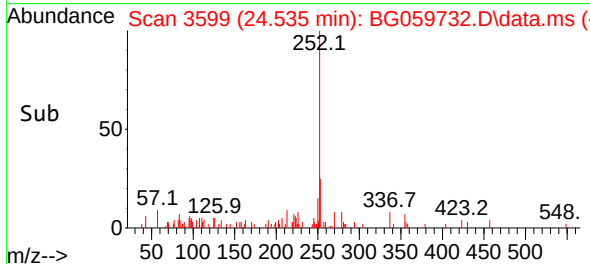
Instrument :
BNA_G
ClientSampleId :
289



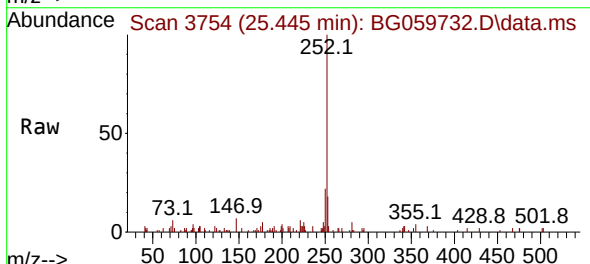
Tgt Ion:252 Resp: 23270
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 5.1 2.2 3.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023



#90
Benzo(a)pyrene
Concen: 3.379 ng
RT: 25.445 min Scan# 3754
Delta R.T. -0.013 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07



Tgt Ion:252 Resp: 33543
Ion Ratio Lower Upper
252 100
253 18.2 16.8 25.2
125 0.0 2.0 3.0

