

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060112.D
 Acq On : 20 Dec 2023 23:55
 Operator : MA/JU
 Sample : 05827-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-09-10.5-11.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

Quant Time: Dec 21 02:43:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	38323	20.000	ng	0.00
21) Naphthalene-d8	10.753	136	130102	20.000	ng	# 0.00
39) Acenaphthene-d10	14.590	164	131872	20.000	ng	0.00
64) Phenanthrene-d10	17.340	188	392933	20.000	ng	# 0.00
76) Chrysene-d12	21.611	240	497614	20.000	ng	# 0.00
86) Perylene-d12	24.807	264	588034	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.524	112	154252	68.903	ng	0.00
7) Phenol-d6	7.116	99	255216	81.045	ng	0.00
23) Nitrobenzene-d5	9.114	82	220280	76.882	ng	0.00
42) 2,4,6-Tribromophenol	16.076	330	318302	103.573	ng	0.00
45) 2-Fluorobiphenyl	13.209	172	713424	66.212	ng	0.00
79) Terphenyl-d14	19.960	244	1745756	64.051	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.381	178	328011	17.234	ng	96
73) Carbazole	17.739	167	42698	2.626	ng	98
75) Fluoranthene	19.396	202	1173964	42.269	ng	97
78) Pyrene	19.760	202	919677	30.489	ng	98
81) Benzo(a)anthracene	21.593	228	765194	22.892	ng	98
83) Chrysene	21.658	228	670364	21.169	ng	97
87) Indeno(1,2,3-cd)pyrene	28.438	276	396938m	9.458	ng	
88) Benzo(b)fluoranthene	23.791	252	868175	23.906	ng	# 97
89) Benzo(k)fluoranthene	23.850	252	302206m	8.579	ng	
90) Benzo(a)pyrene	24.649	252	455173m	14.147	ng	
91) Dibenzo(a,h)anthracene	28.485	278	120770m	3.441	ng	
92) Benzo(g,h,i)perylene	29.572	276	300676	8.614	ng	# 97

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

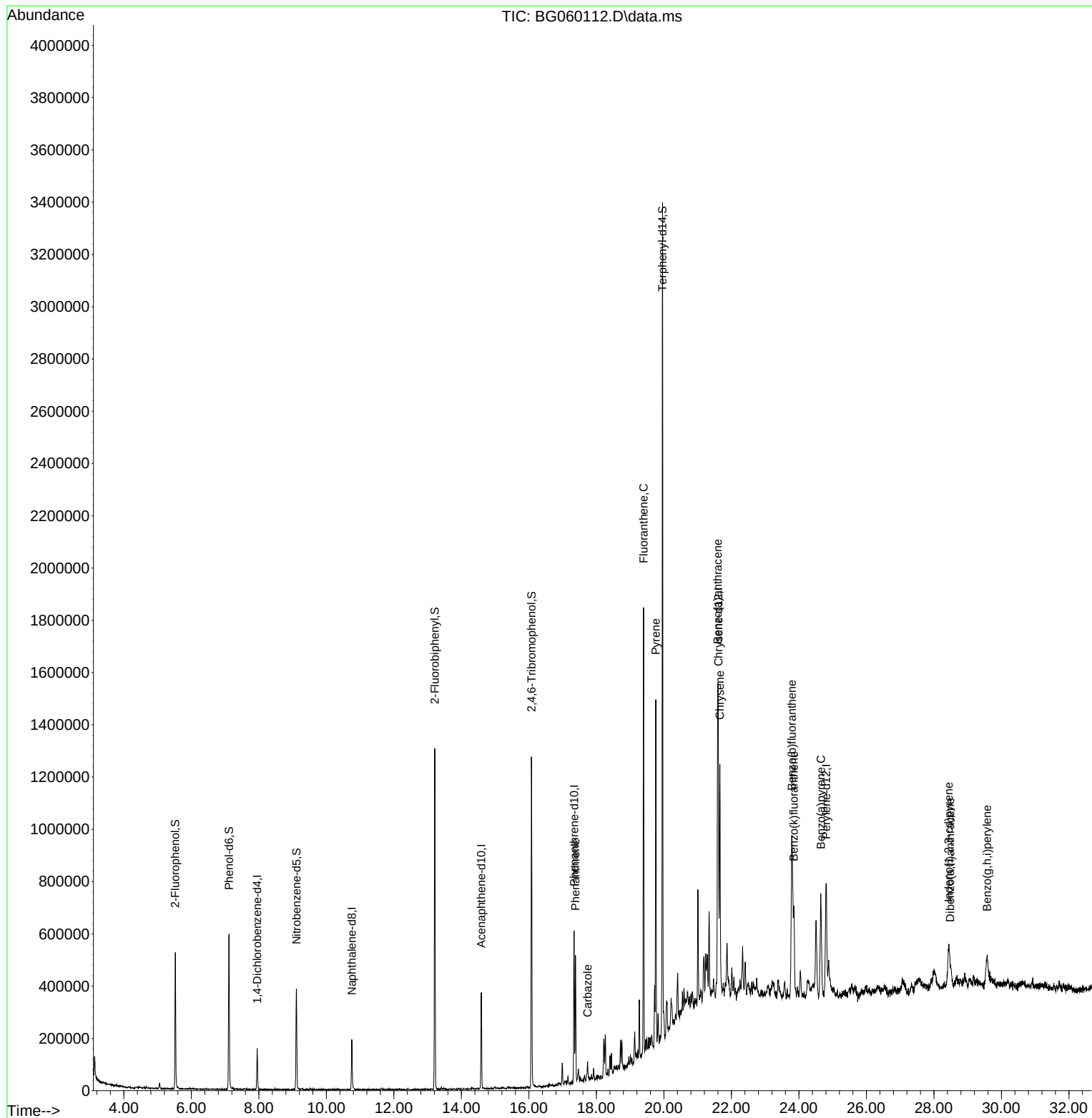
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
Data File : BG060112.D
Acq On : 20 Dec 2023 23:55
Operator : MA/JU
Sample : 05827-09
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ALS Vial : 10 Sample Multiplier: 1

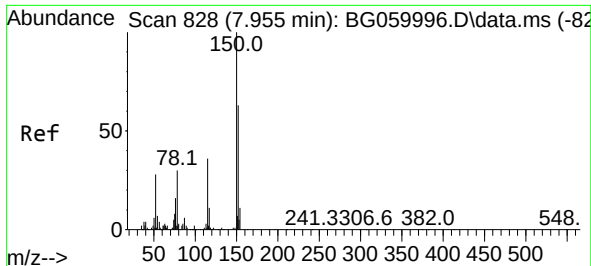
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

Quant Time: Dec 21 02:43:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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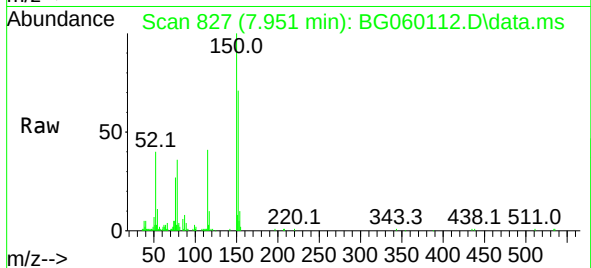
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

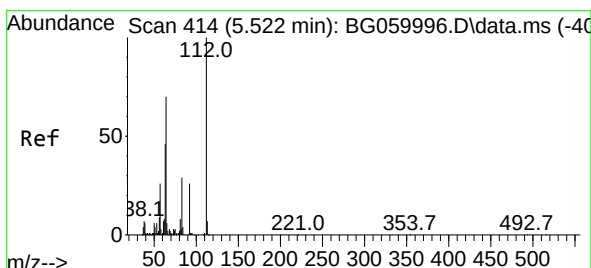
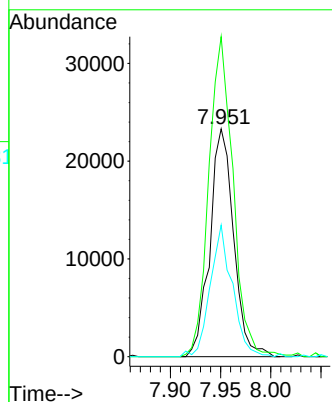
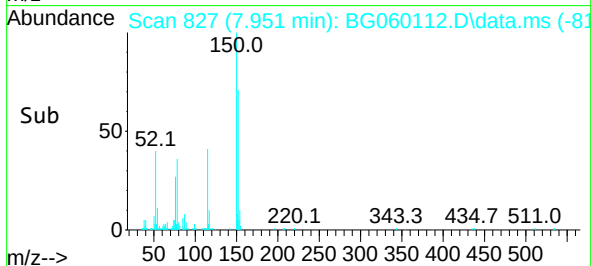
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion:152 Resp: 3832
Ion Ratio Lower Upper
152 100
150 140.4 127.0 190.6
115 57.7 45.7 68.5

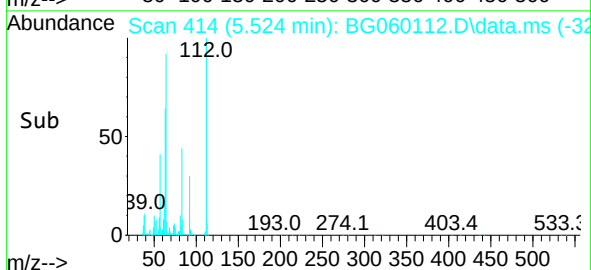
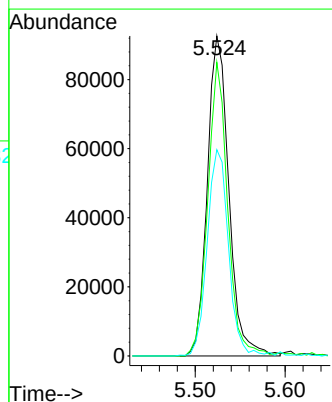
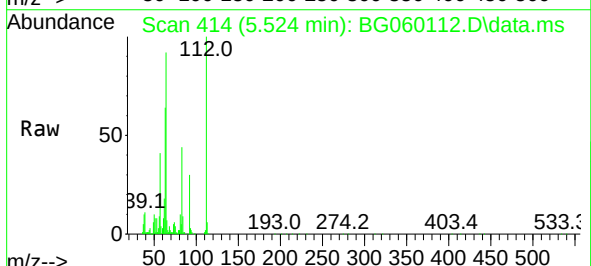
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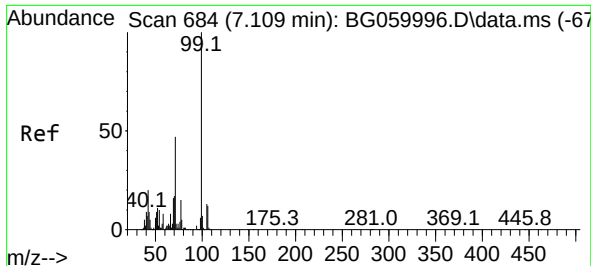
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#5
2-Fluorophenol
Concen: 68.903 ng
RT: 5.524 min Scan# 414
Delta R.T. -0.002 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

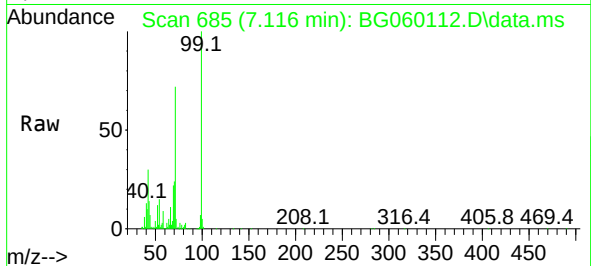
Tgt Ion:112 Resp: 154252
Ion Ratio Lower Upper
112 100
64 91.8 55.9 83.9#
63 64.5 36.5 54.7#





#7
Phenol-d6
Concen: 81.045 ng
RT: 7.116 min Scan# 684
Delta R.T. 0.004 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

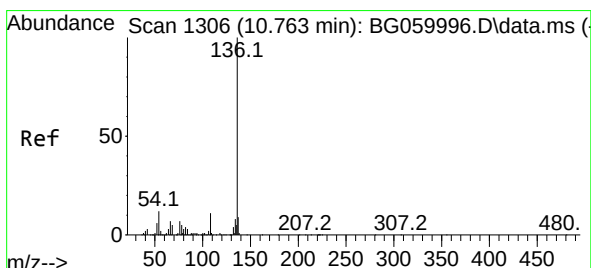
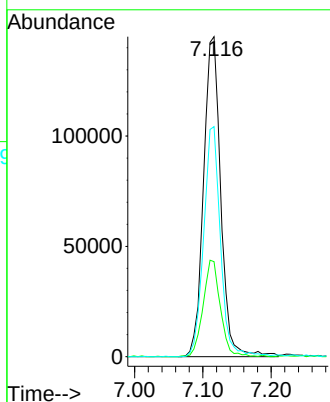
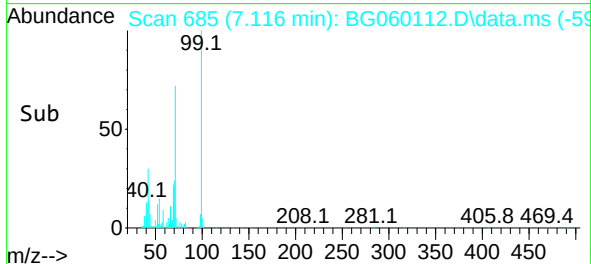
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion: 99 Resp: 255210
Ion Ratio Lower Upper
99 100
42 29.7 16.2 24.4#
71 71.9 37.6 56.4#

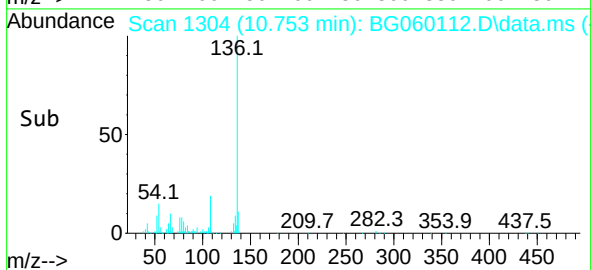
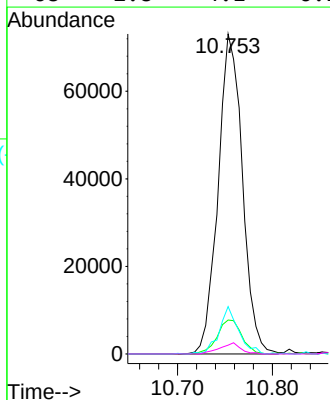
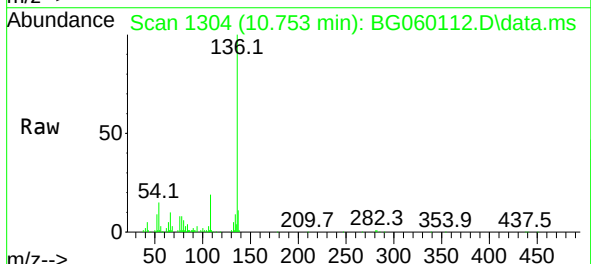
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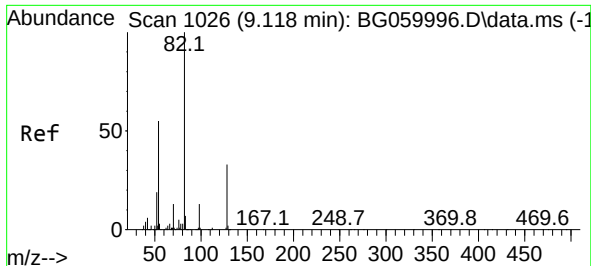
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.753 min Scan# 1304
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

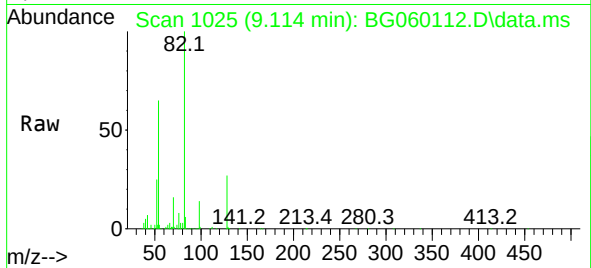
Tgt Ion:136 Resp: 130102
Ion Ratio Lower Upper
136 100
137 10.6 7.3 10.9
54 14.8 9.6 14.4#
68 2.8 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 76.882 ng
RT: 9.114 min Scan# 1026
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

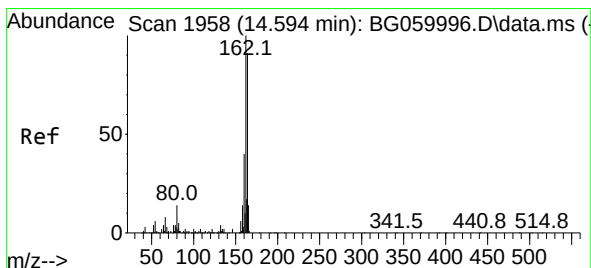
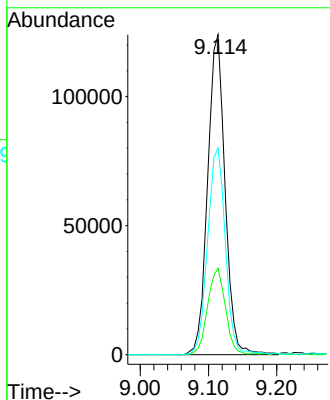
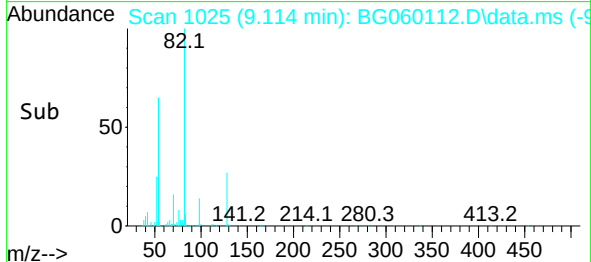
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion: 82 Resp: 220280
Ion Ratio Lower Upper
82 100
128 27.0 26.3 39.5
54 64.6 44.3 66.5

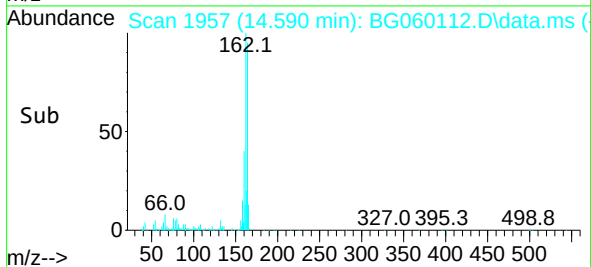
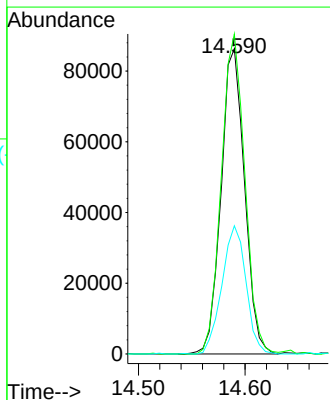
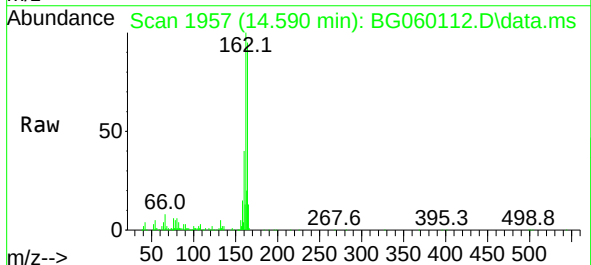
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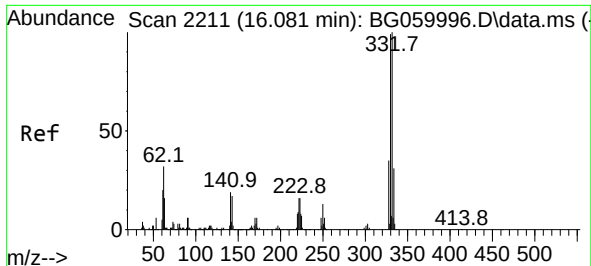
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.590 min Scan# 1957
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

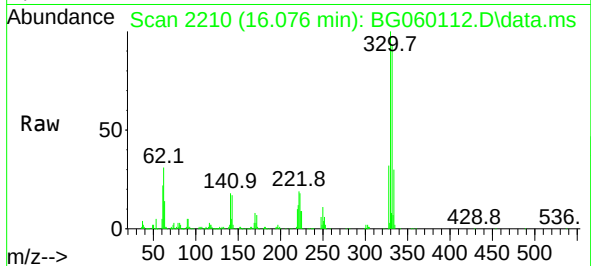
Tgt Ion:164 Resp: 131872
Ion Ratio Lower Upper
164 100
162 104.8 88.1 132.1
160 42.0 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 103.573 ng
RT: 16.076 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

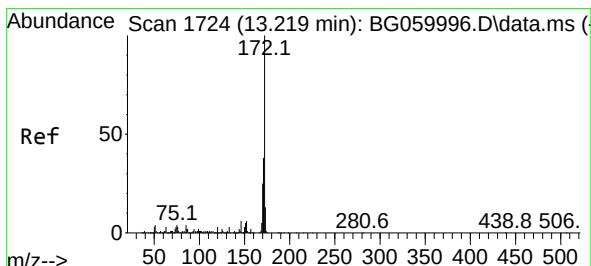
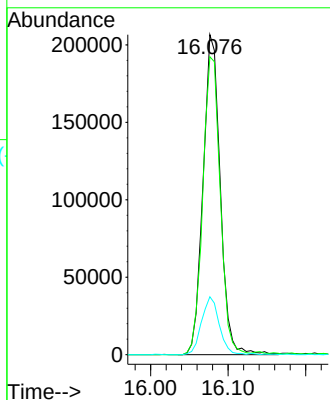
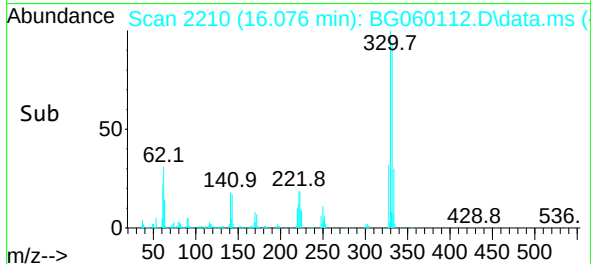
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion:330 Resp: 31830
Ion Ratio Lower Upper
330 100
332 94.4 76.2 114.4
141 18.6 14.3 21.5

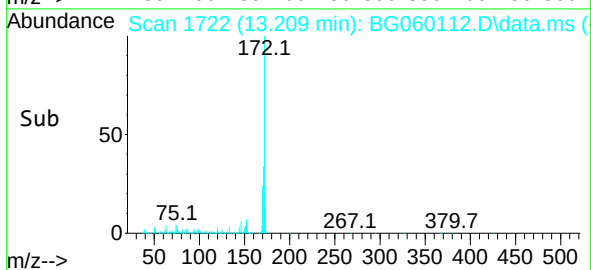
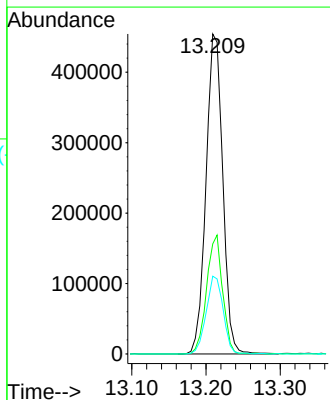
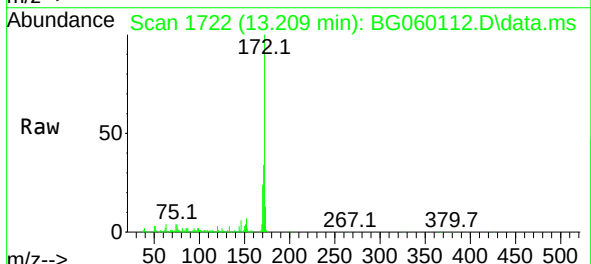
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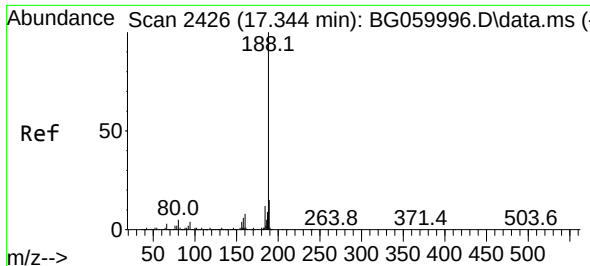
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#45
2-Fluorobiphenyl
Concen: 66.212 ng
RT: 13.209 min Scan# 1722
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

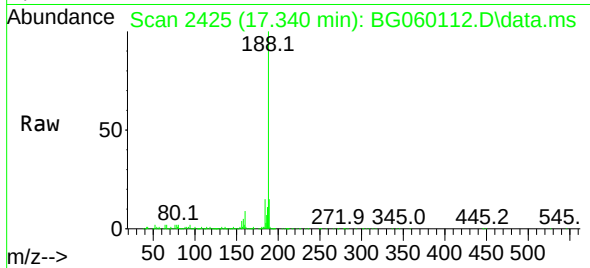
Tgt Ion:172 Resp: 713424
Ion Ratio Lower Upper
172 100
171 34.4 30.1 45.1
170 24.3 20.0 30.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.340 min Scan# 2426
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

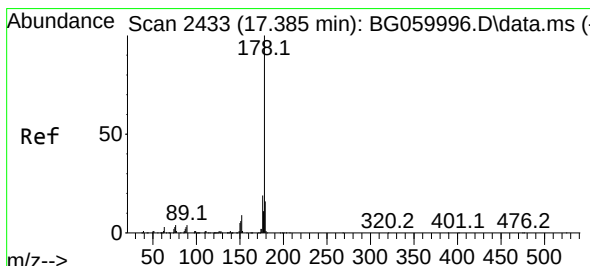
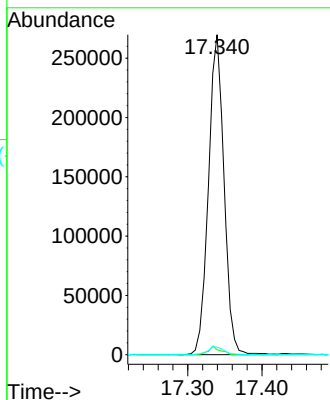
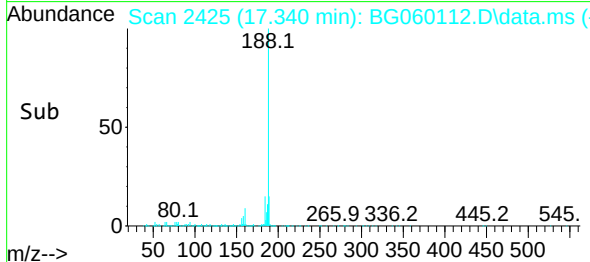
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion:188 Resp: 392933
Ion Ratio Lower Upper
188 100
94 1.5 3.0 4.6
80 2.3 4.0 6.0

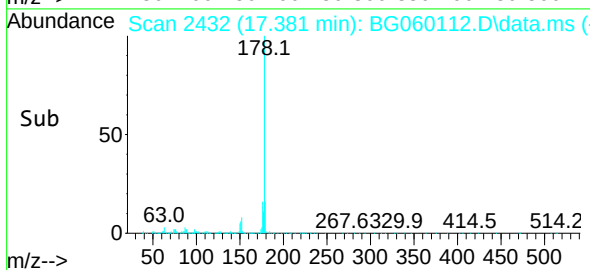
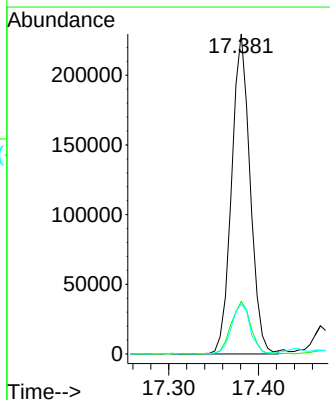
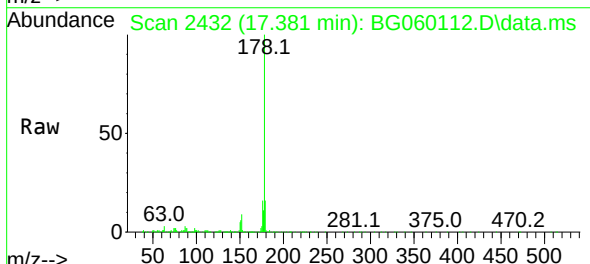
Manual Integrations
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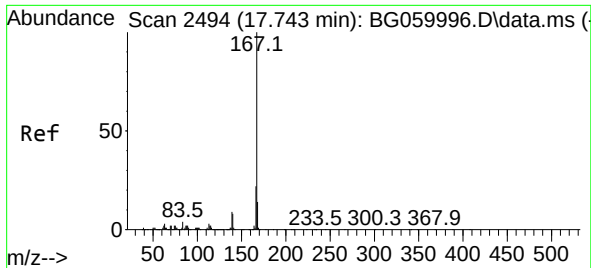
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#71
Phenanthrene
Concen: 17.234 ng
RT: 17.381 min Scan# 2432
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

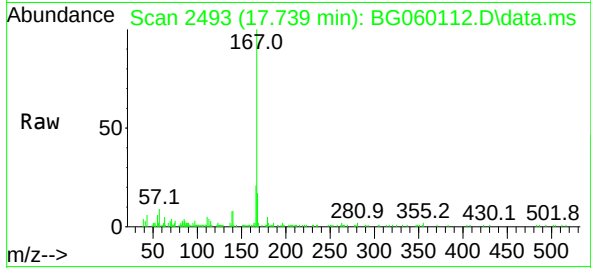
Tgt Ion:178 Resp: 328011
Ion Ratio Lower Upper
178 100
176 16.4 15.6 23.4
179 15.5 12.6 19.0





#73
 Carbazole
 Concen: 2.626 ng
 RT: 17.739 min Scan# 2494
 Delta R.T. -0.008 min
 Lab File: BG060112.D
 Acq: 20 Dec 2023 23:55

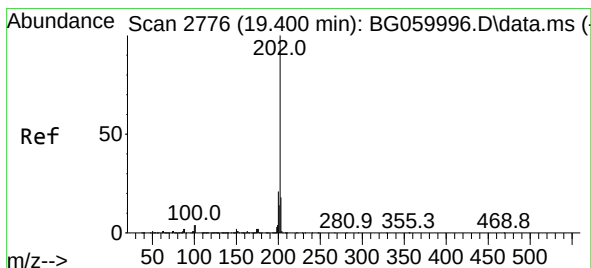
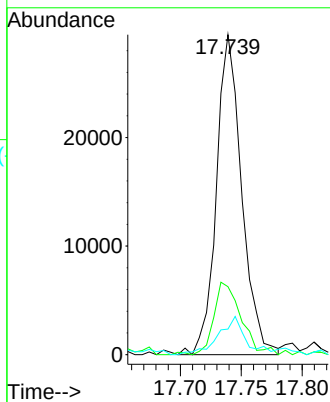
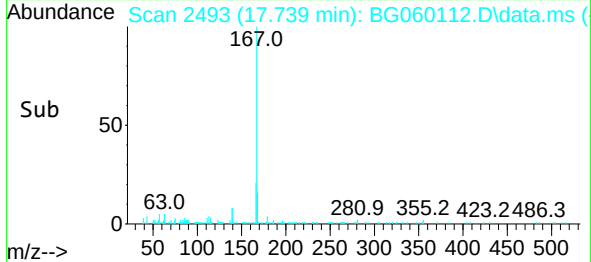
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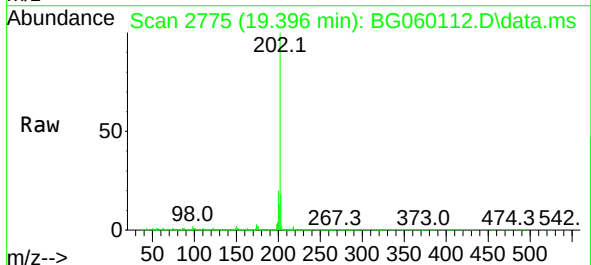
Tgt Ion:167 Resp: 42698
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 8.0 7.5 11.3

Manual Integrations
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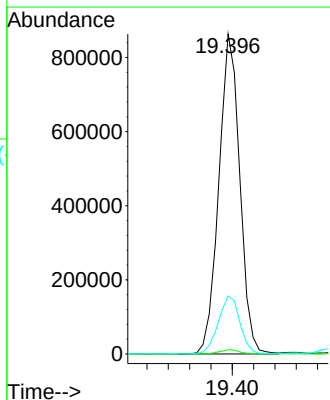
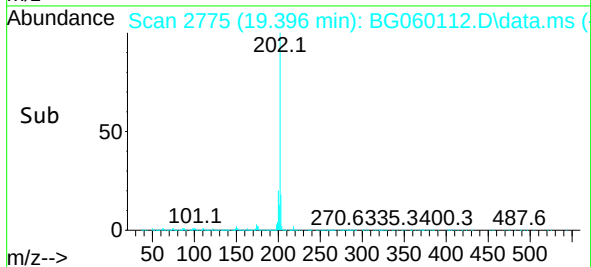
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

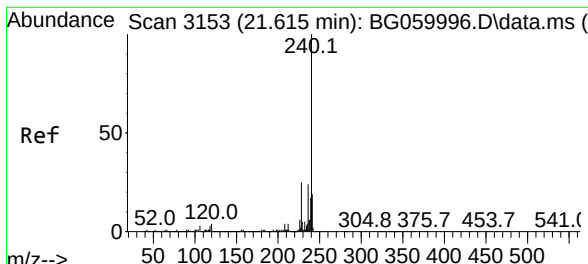


#75
 Fluoranthene
 Concen: 42.269 ng
 RT: 19.396 min Scan# 2775
 Delta R.T. -0.008 min
 Lab File: BG060112.D
 Acq: 20 Dec 2023 23:55



Tgt Ion:202 Resp: 1173964
 Ion Ratio Lower Upper
 202 100
 101 1.3 0.0 24.2
 203 18.2 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.611 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

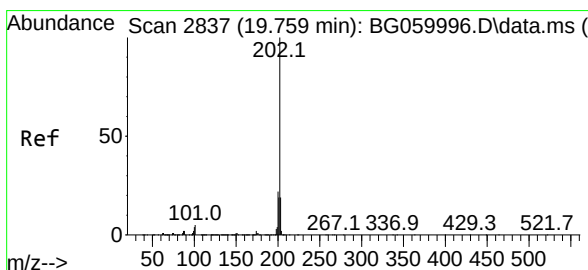
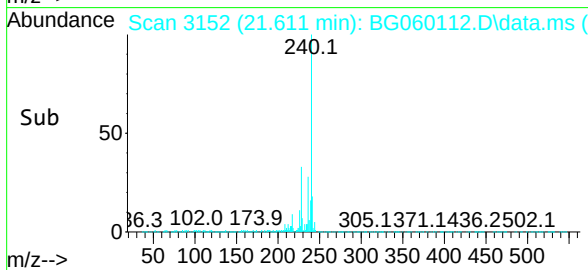
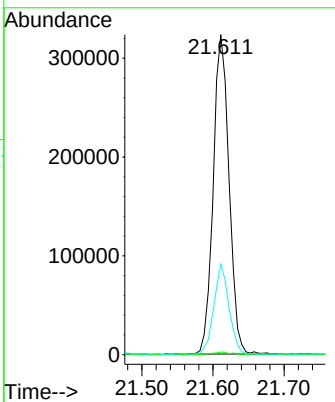
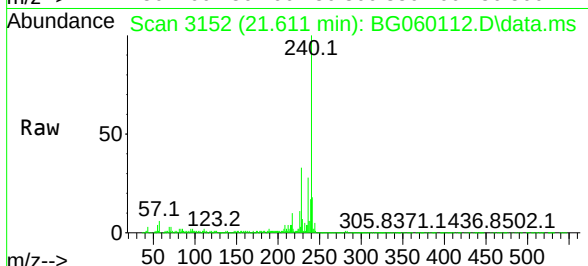
Instrument : BNA_G
ClientSampleId : RT-SB-09-10.5-11.5

Tgt Ion: 240 Resp: 497614

Ion	Ratio	Lower	Upper
240	100		
120	0.8	2.9	4.3
236	28.3	19.4	29.2

Manual Integrations
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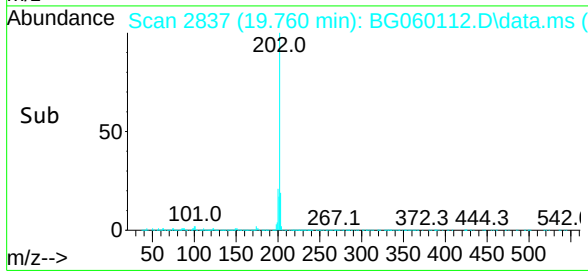
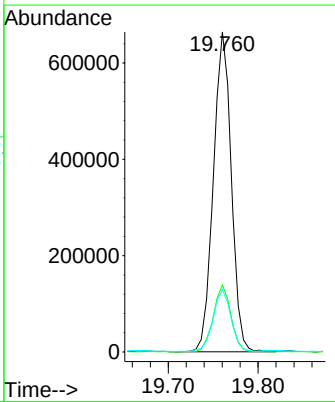
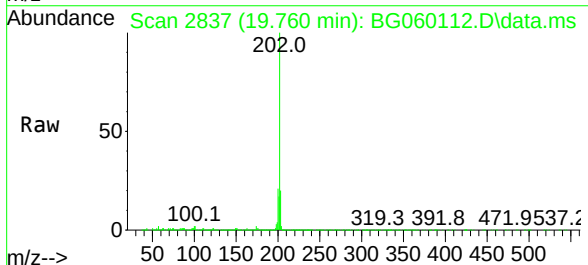
Reviewed By : Yogesh Patel 12/21/2023
Supervised By : mohammad ahmed 12/21/2023

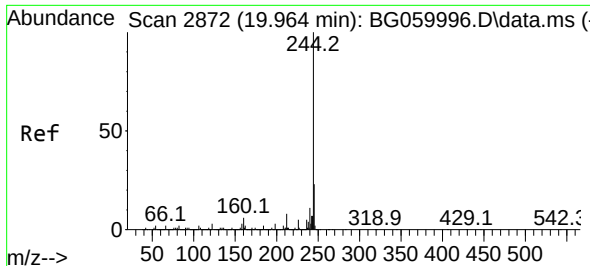


#78
Pyrene
Concen: 30.489 ng
RT: 19.760 min Scan# 2837
Delta R.T. -0.002 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

Tgt Ion: 202 Resp: 919677

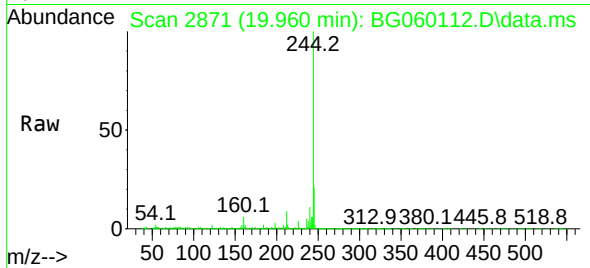
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	19.6	14.9	22.3





#79
 Terphenyl-d14
 Concen: 64.051 ng
 RT: 19.960 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG060112.D
 Acq: 20 Dec 2023 23:55

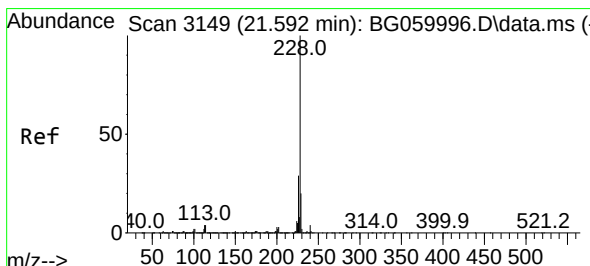
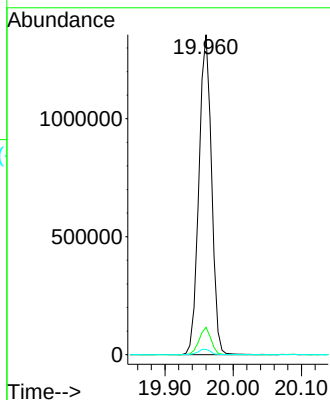
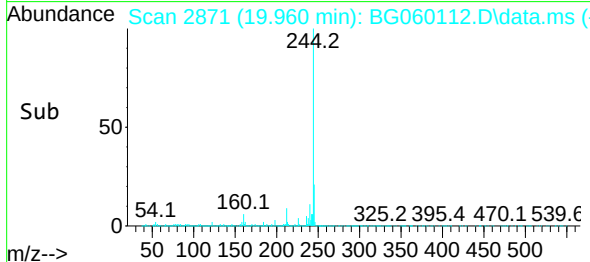
Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-09-10.5-11.5



Tgt Ion:244 Resp: 1745750
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.8 10.2
 122 1.7 2.6 3.8

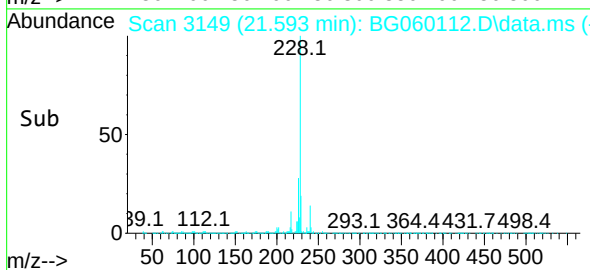
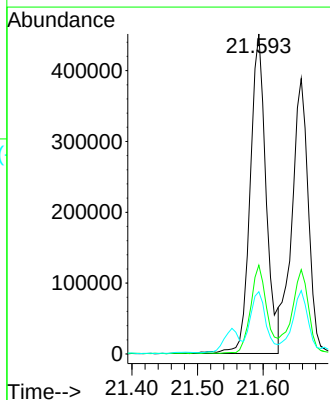
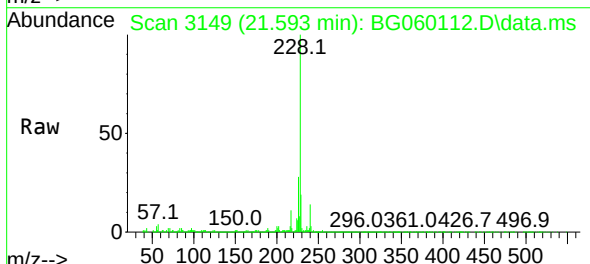
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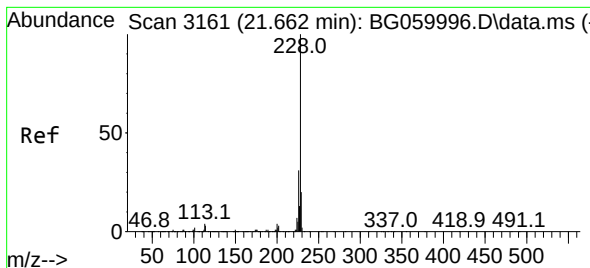
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023



#81
 Benzo(a)anthracene
 Concen: 22.892 ng
 RT: 21.593 min Scan# 3149
 Delta R.T. -0.008 min
 Lab File: BG060112.D
 Acq: 20 Dec 2023 23:55

Tgt Ion:228 Resp: 765194
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.9 34.3
 229 19.4 16.2 24.2





#83

Chrysene

Concen: 21.169 ng

RT: 21.658 min Scan# 3161

Delta R.T. -0.008 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Instrument :

BNA_G

ClientSampleId :

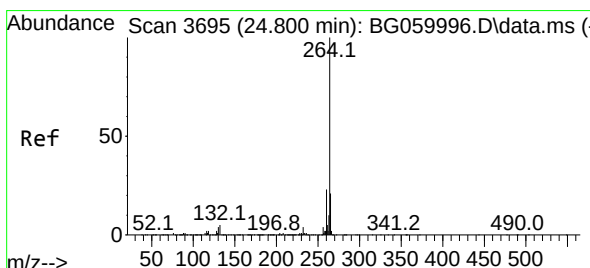
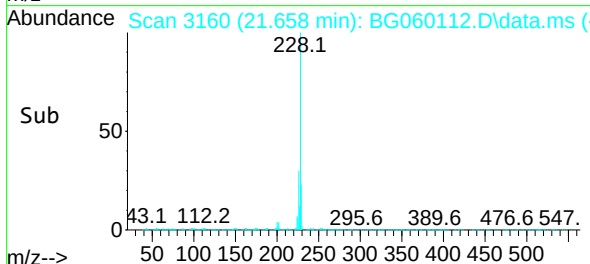
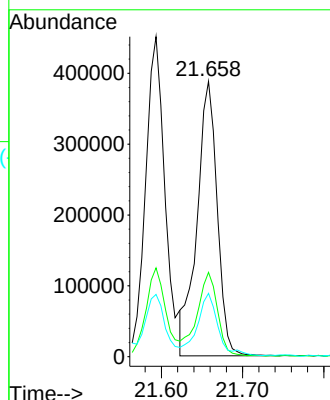
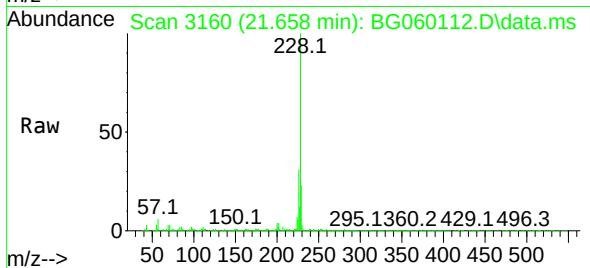
RT-SB-09-10.5-11.5

Tgt Ion:228 Resp: 670364
 Ion Ratio Lower Upper
 228 100
 226 30.6 25.0 37.6
 229 23.0 16.2 24.2

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Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023



#86

Perylene-d12

Concen: 20.000 ng

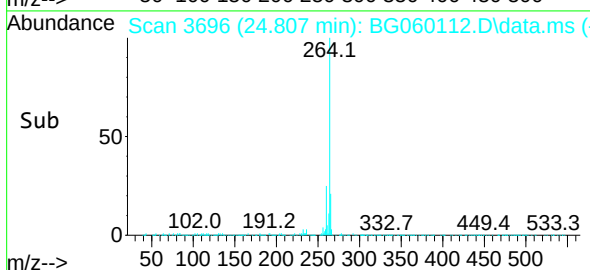
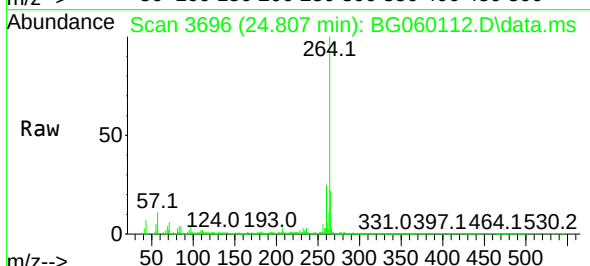
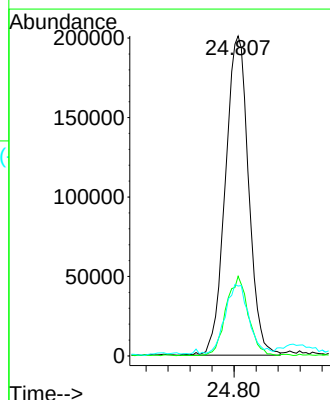
RT: 24.807 min Scan# 3696

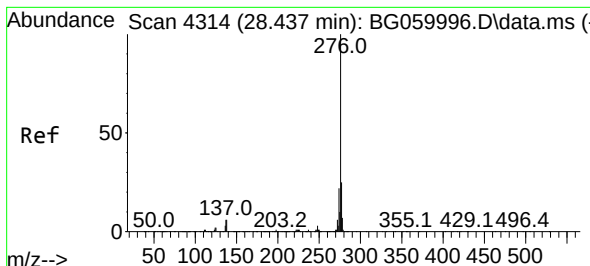
Delta R.T. -0.008 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Tgt Ion:264 Resp: 588034
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.5 27.7
 265 21.9 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.458 ng m

RT: 28.438 min Scan# 4314

Delta R.T. -0.020 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Instrument :

BNA_G

ClientSampleId :

RT-SB-09-10.5-11.5

Tgt Ion:276 Resp: 396938

Ion Ratio Lower Upper

276 100

138 0.7 4.7 7.1

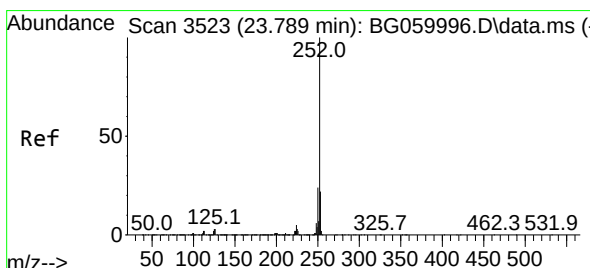
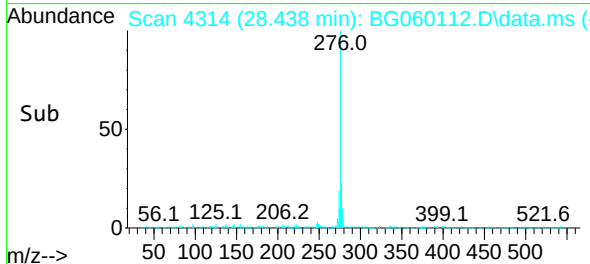
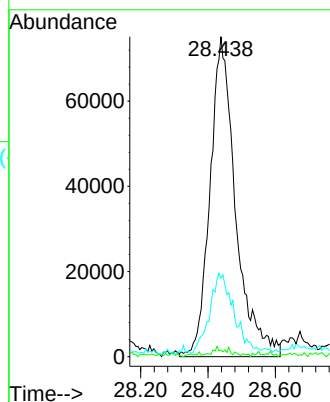
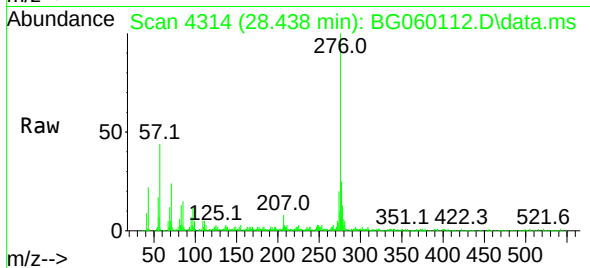
277 23.7 20.0 30.0

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Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#88

Benzo(b)fluoranthene

Concen: 23.906 ng

RT: 23.791 min Scan# 3523

Delta R.T. -0.008 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

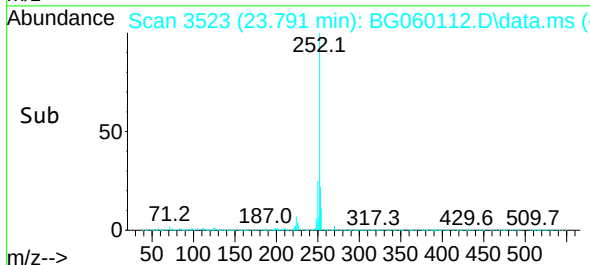
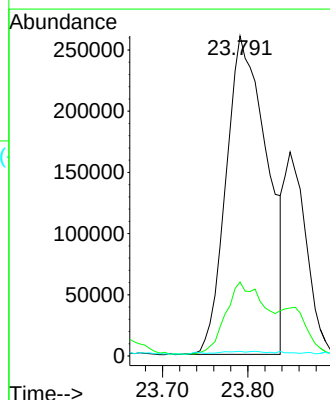
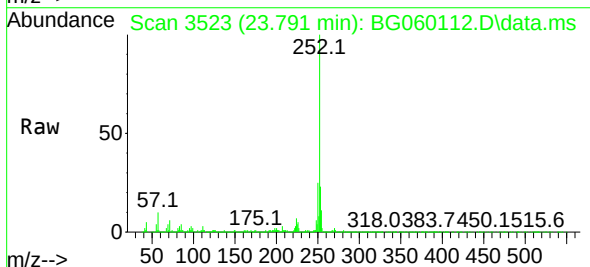
Tgt Ion:252 Resp: 868175

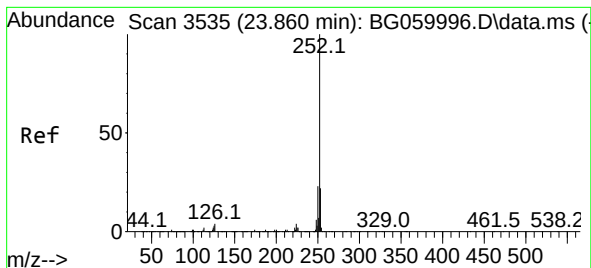
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 1.4 2.6 4.0





#89

Benzo(k)fluoranthene

Concen: 8.579 ng m

RT: 23.850 min Scan# 30

Delta R.T. -0.020 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Instrument :

BNA_G

ClientSampleId :

RT-SB-09-10.5-11.5

Tgt Ion:252 Resp: 302200

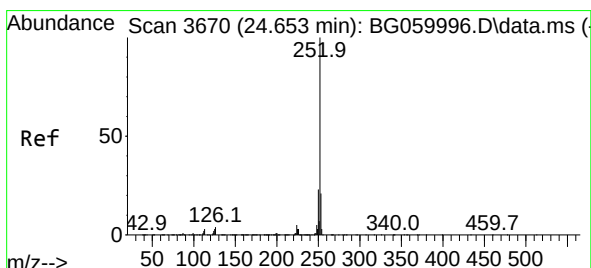
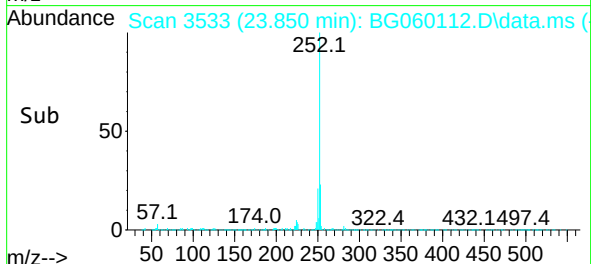
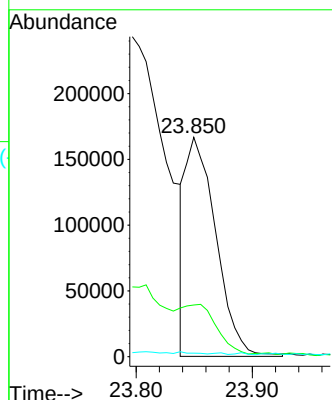
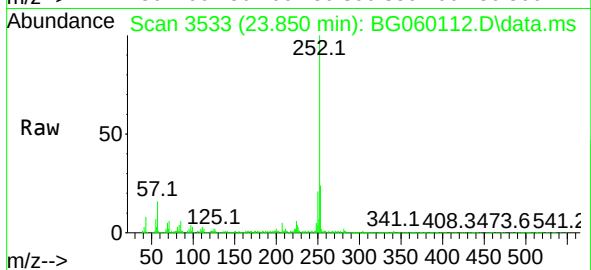
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	1.6	2.5	3.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#90

Benzo(a)pyrene

Concen: 14.147 ng m

RT: 24.649 min Scan# 3669

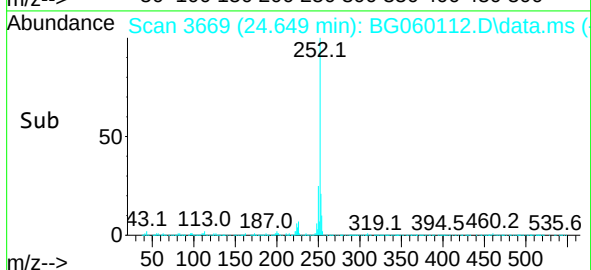
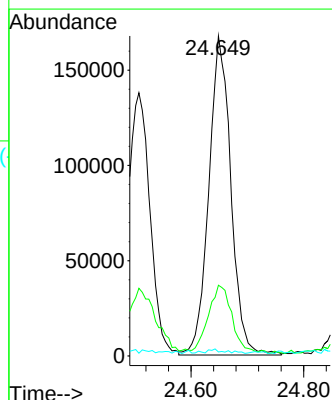
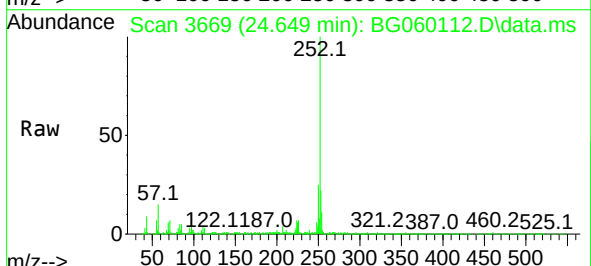
Delta R.T. -0.014 min

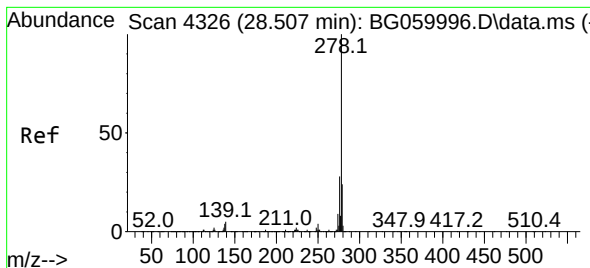
Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Tgt Ion:252 Resp: 455173

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	1.3	2.6	4.0





#91

Dibenzo(a,h)anthracene

Concen: 3.441 ng m

RT: 28.485 min Scan# 41

Delta R.T. -0.037 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Instrument :

BNA_G

ClientSampleId :

RT-SB-09-10.5-11.5

Tgt Ion:278 Resp: 120770

Ion Ratio Lower Upper

278 100

139 7.6 4.4 6.6

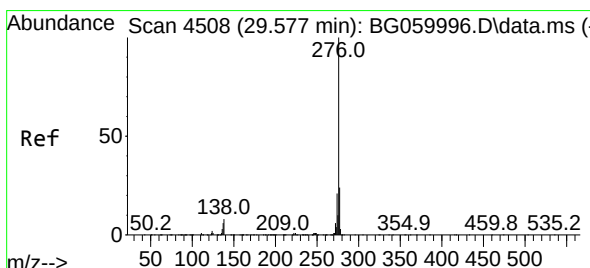
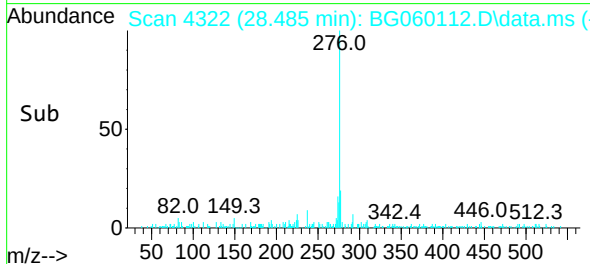
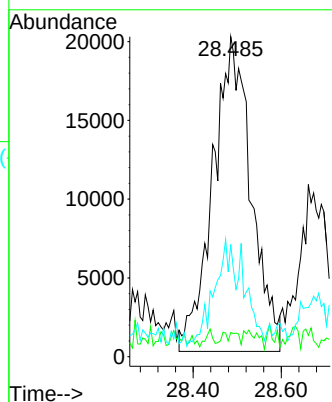
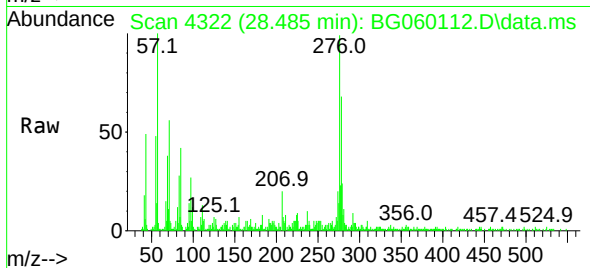
279 35.1 19.4 29.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#92

Benzo(g,h,i)perylene

Concen: 8.614 ng

RT: 29.572 min Scan# 4507

Delta R.T. -0.026 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Tgt Ion:276 Resp: 300676

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.2

138 2.4 6.0 9.0

