

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060118.D
 Acq On : 21 Dec 2023 3:58
 Operator : MA/JU
 Sample : 05831-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20017

Quant Time: Dec 21 04:32:29 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	50516	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	179594	20.000	ng	# 0.00
39) Acenaphthene-d10	14.589	164	165441	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	479260	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	618620	20.000	ng	# 0.00
86) Perylene-d12	24.818	264	704281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	111999	37.953	ng	0.00
7) Phenol-d6	7.116	99	173155	41.714	ng	0.00
23) Nitrobenzene-d5	9.113	82	147728	37.351	ng	0.00
42) 2,4,6-Tribromophenol	16.076	330	230024	59.661	ng	0.00
45) 2-Fluorobiphenyl	13.208	172	503725	37.264	ng	0.00
79) Terphenyl-d14	19.959	244	1306733	38.565	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.800	128	24443	2.614	ng	# 92
37) 2-Methylnaphthalene	12.409	142	53504	7.297	ng	# 93
38) 1-Methylnaphthalene	12.633	142	36272	5.008	ng	# 94
58) Fluorene	15.635	166	37047	2.698	ng	93
71) Phenanthrene	17.380	178	487709	21.009	ng	97
72) Anthracene	17.474	178	93557	4.008	ng	97
75) Fluoranthene	19.401	202	1183299	34.931	ng	97
78) Pyrene	19.760	202	1101252	29.367	ng	99
81) Benzo(a)anthracene	21.593	228	594415	14.304	ng	97
83) Chrysene	21.657	228	603909	15.340	ng	98
84) Bis(2-ethylhexyl)phtha...	21.505	149	142331	13.943	ng	# 96
87) Indeno(1,2,3-cd)pyrene	28.455	276	219510	4.367	ng	# 73
88) Benzo(b)fluoranthene	23.796	252	684778	15.743	ng	# 96
89) Benzo(k)fluoranthene	23.855	252	317706m	7.530	ng	
90) Benzo(a)pyrene	24.660	252	565174m	14.666	ng	
92) Benzo(g,h,i)perylene	29.583	276	229613m	5.492	ng	

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

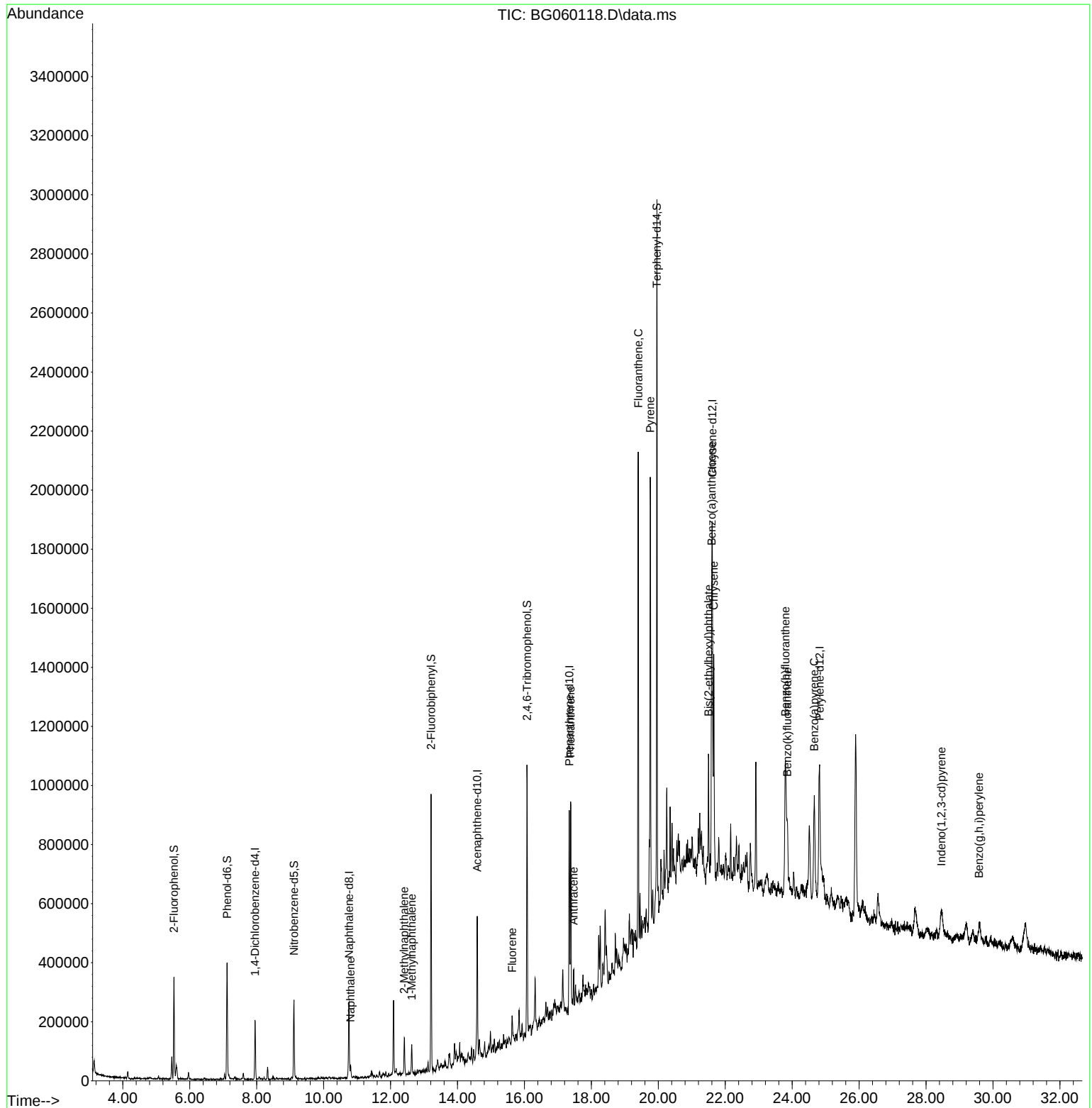
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
Data File : BG060118.D
Acq On : 21 Dec 2023 3:58
Operator : MA/JU
Sample : 05831-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

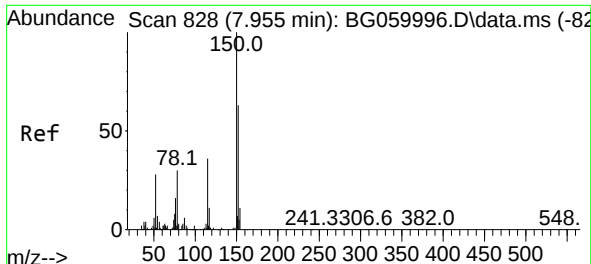
Instrument :
BNA_G
ClientSampleId :
CHRT-20017

Quant Time: Dec 21 04:32:29 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
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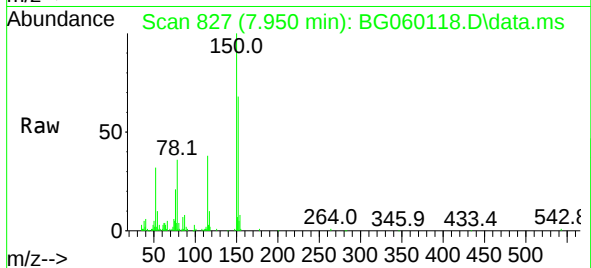
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.950 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

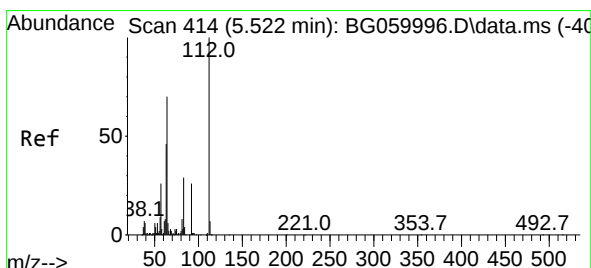
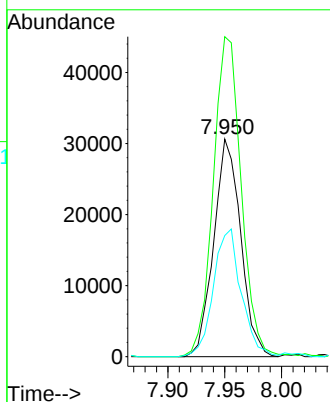
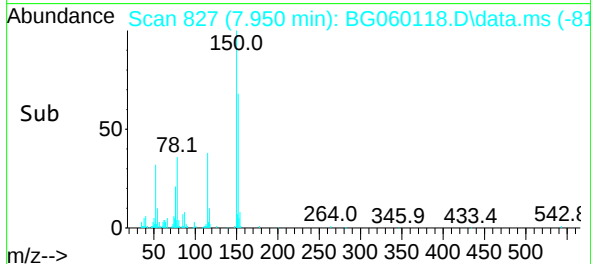
Instrument :
BNA_G
ClientSampleId :
CHRT-20017



Tgt Ion:152 Resp: 50510
Ion Ratio Lower Upper
152 100
150 147.0 127.0 190.6
115 55.7 45.7 68.5

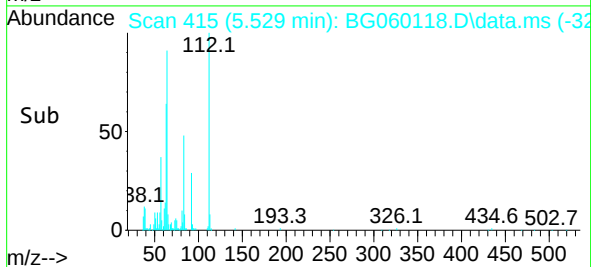
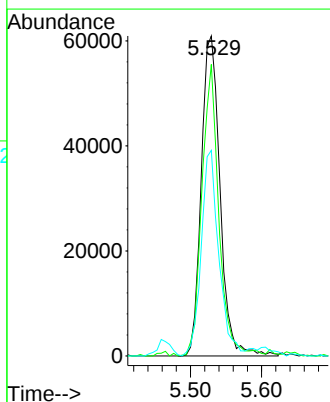
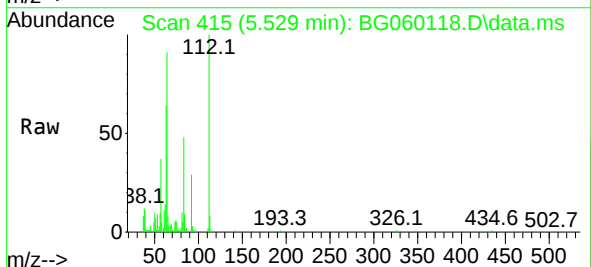
Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#5
2-Fluorophenol
Concen: 37.953 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.003 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

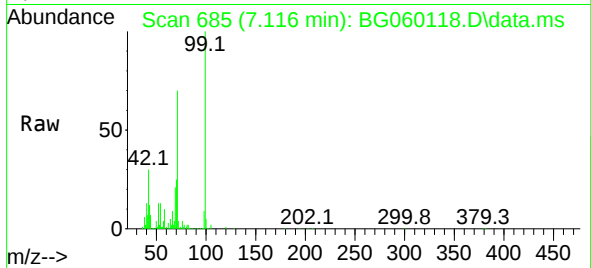
Tgt Ion:112 Resp: 111999
Ion Ratio Lower Upper
112 100
64 91.1 55.9 83.9#
63 64.3 36.5 54.7#





#7
Phenol-d6
Concen: 41.714 ng
RT: 7.116 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

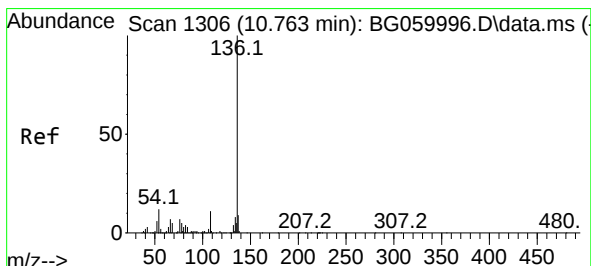
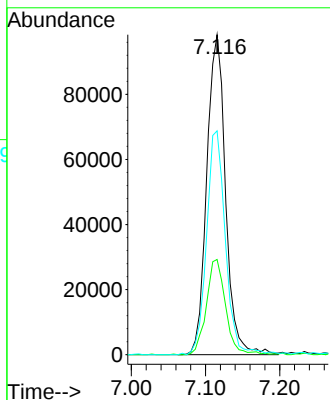
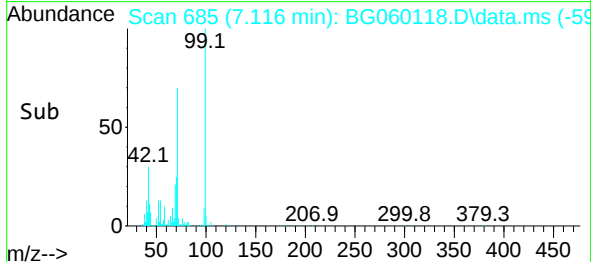
Instrument :
BNA_G
ClientSampleId :
CHRT-20017



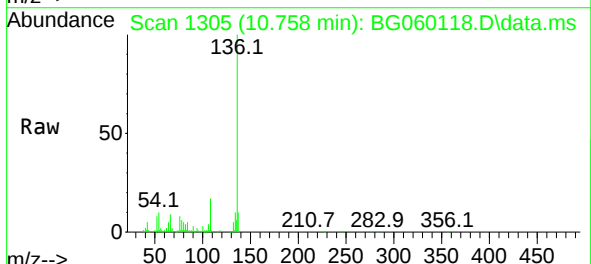
Tgt Ion: 99 Resp: 17315
Ion Ratio Lower Upper
99 100
42 29.8 16.2 24.4
71 70.0 37.6 56.4

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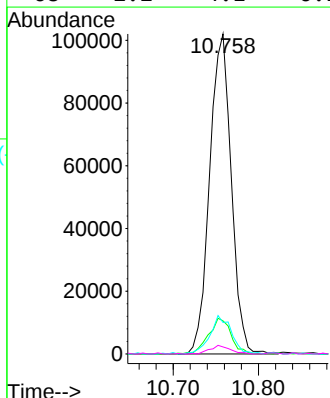
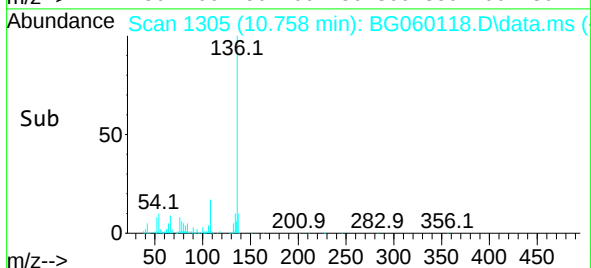
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

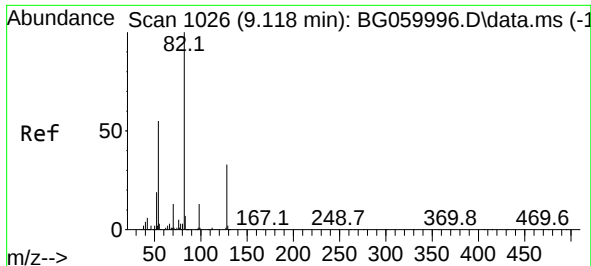


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.003 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58



Tgt Ion:136 Resp: 179594
Ion Ratio Lower Upper
136 100
137 10.3 7.3 10.9
54 9.9 9.6 14.4
68 2.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 37.351 ng

RT: 9.113 min Scan# 1026

Delta R.T. -0.009 min

Lab File: BG060118.D

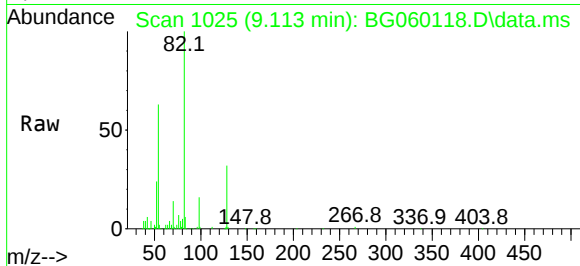
Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017



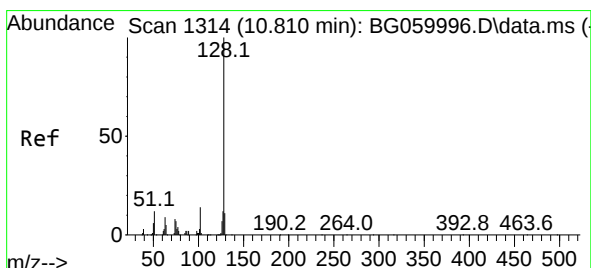
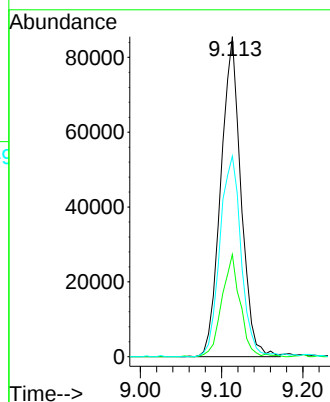
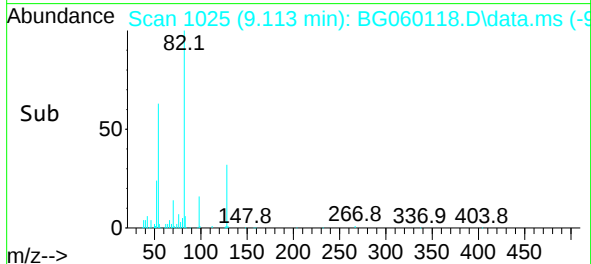
Tgt Ion:	82	Resp:	147728
Ion Ratio	Lower	Upper	
82	100		
128	31.9	26.3	39.5
54	62.7	44.3	66.5

Manual Integrations

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Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#31

Naphthalene

Concen: 2.614 ng

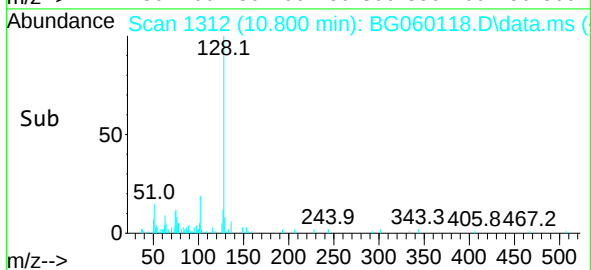
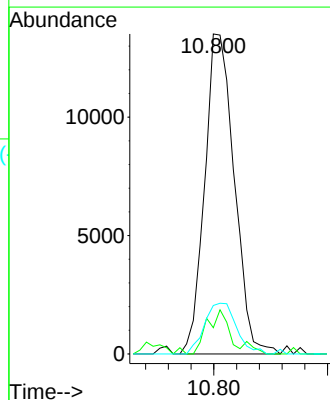
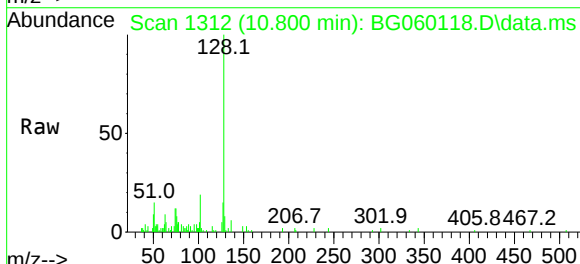
RT: 10.800 min Scan# 1312

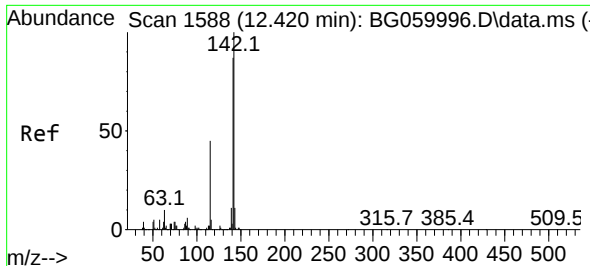
Delta R.T. -0.015 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Tgt Ion:	128	Resp:	24443
Ion Ratio	Lower	Upper	
128	100		
129	8.2	9.2	13.8#
127	15.1	9.7	14.5#





#37
2-Methylnaphthalene
Concen: 7.297 ng
RT: 12.409 min Scan# 1588
Delta R.T. -0.015 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

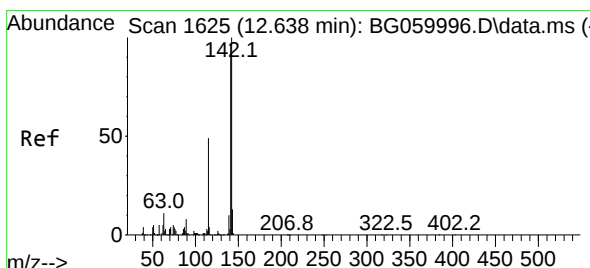
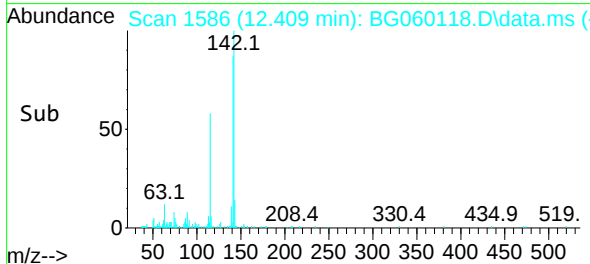
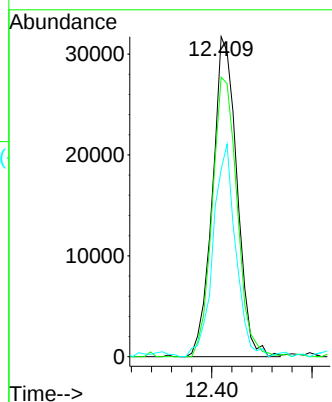
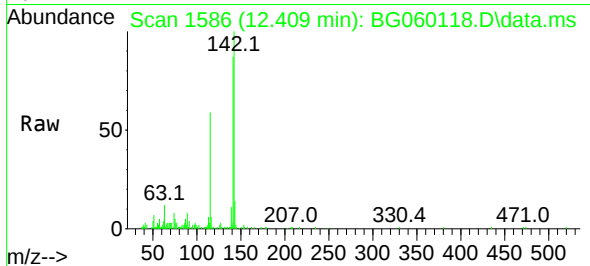
Tgt Ion:142 Resp: 53504
Ion Ratio Lower Upper
142 100
141 87.3 69.9 104.9
115 58.5 36.1 54.1

Manual Integrations

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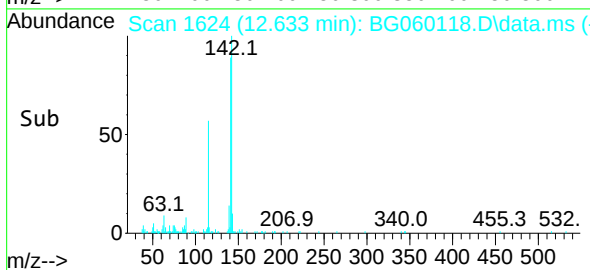
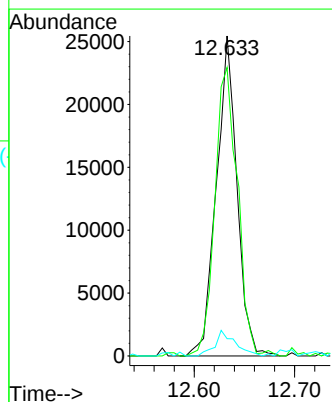
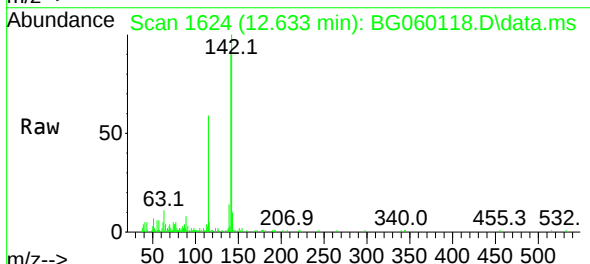
Reviewed By :Yogesh Patel 12/21/2023

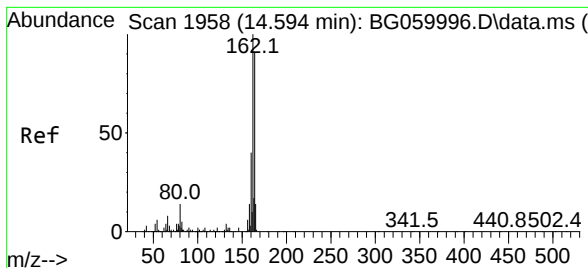
Supervised By :mohammad ahmed 12/21/2023



#38
1-Methylnaphthalene
Concen: 5.008 ng
RT: 12.633 min Scan# 1624
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

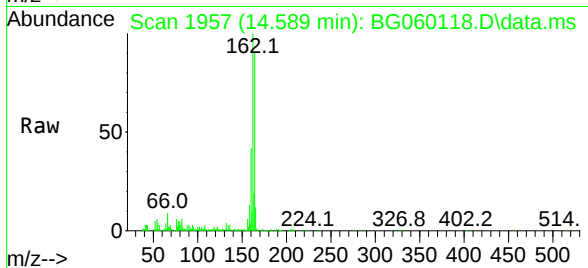
Tgt Ion:142 Resp: 36272
Ion Ratio Lower Upper
142 100
141 90.2 76.9 115.3
116 5.4 3.5 5.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

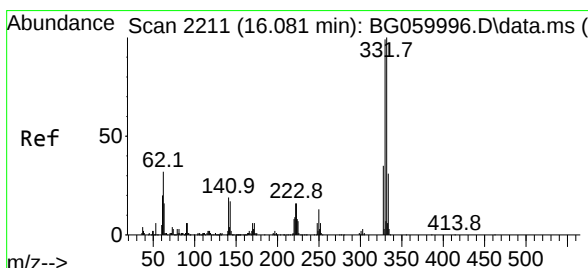
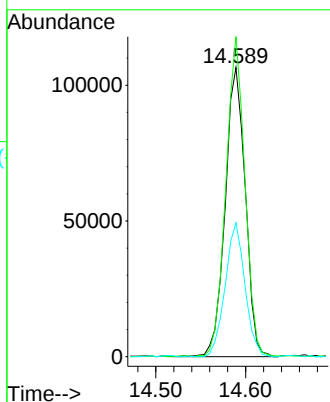
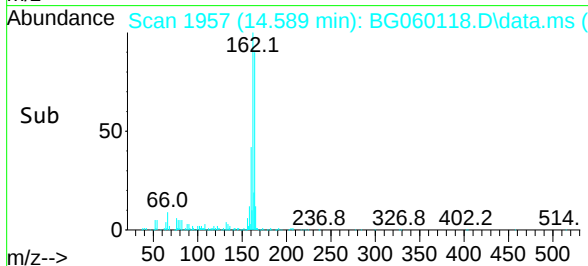
Instrument :
BNA_G
ClientSampleId :
CHRT-20017



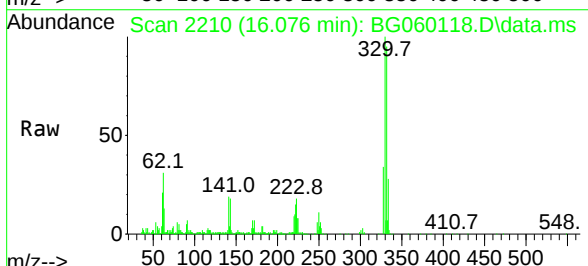
Tgt Ion:164 Resp: 16544
Ion Ratio Lower Upper
164 100
162 110.7 88.1 132.1
160 46.3 35.4 53.0

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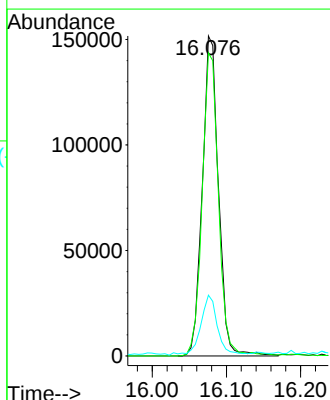
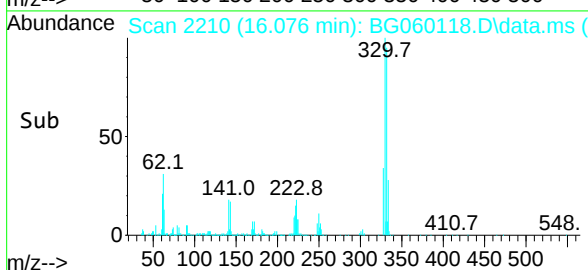
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

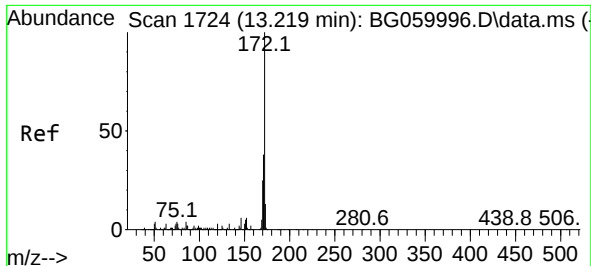


#42
2,4,6-Tribromophenol
Concen: 59.661 ng
RT: 16.076 min Scan# 2210
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58



Tgt Ion:330 Resp: 230024
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 19.3 14.3 21.5





#45
2-Fluorobiphenyl
Concen: 37.264 ng
RT: 13.208 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

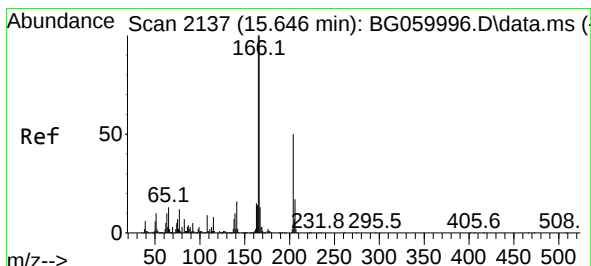
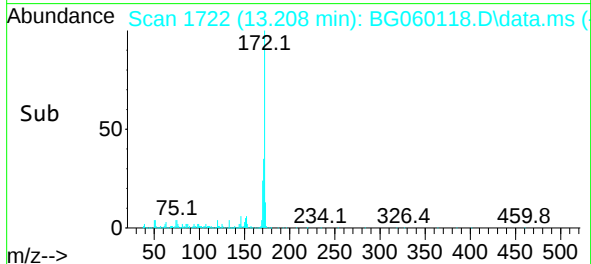
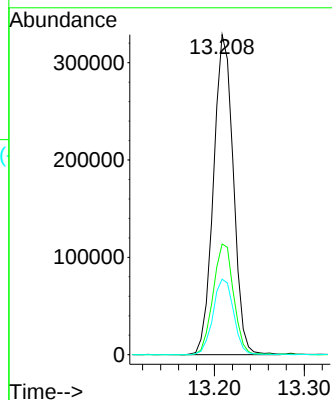
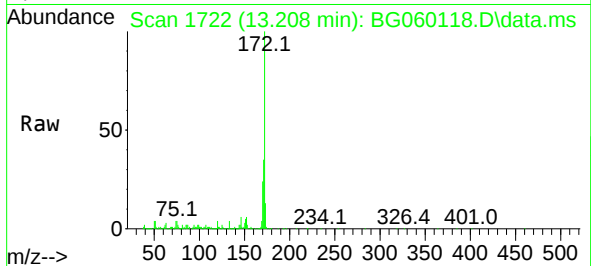
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Tgt Ion:172 Resp: 50372
Ion Ratio Lower Upper
172 100
171 34.6 30.1 45.1
170 23.6 20.0 30.0

Manual Integrations

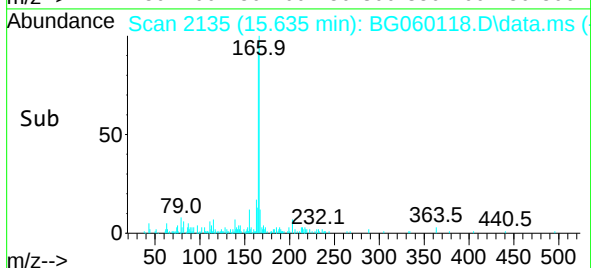
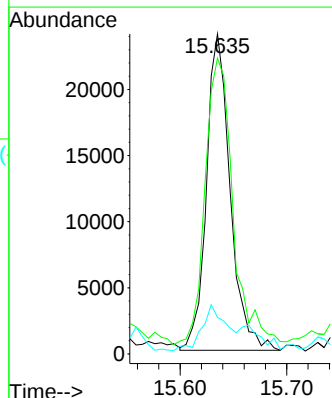
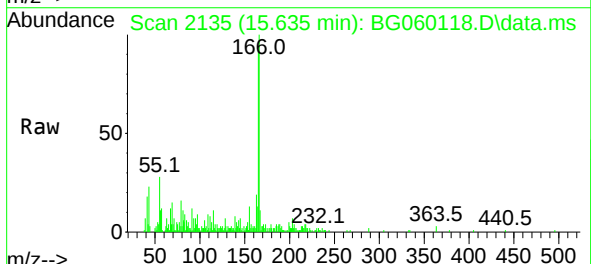
APPROVED

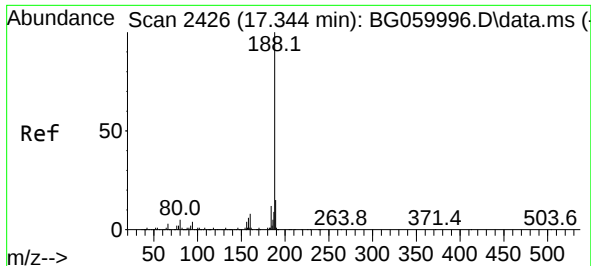
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#58
Fluorene
Concen: 2.698 ng
RT: 15.635 min Scan# 2135
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:166 Resp: 37047
Ion Ratio Lower Upper
166 100
165 92.5 80.2 120.2
167 11.4 10.3 15.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

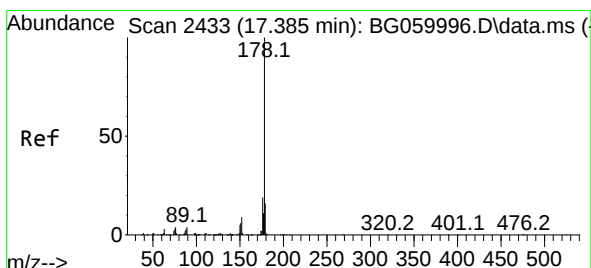
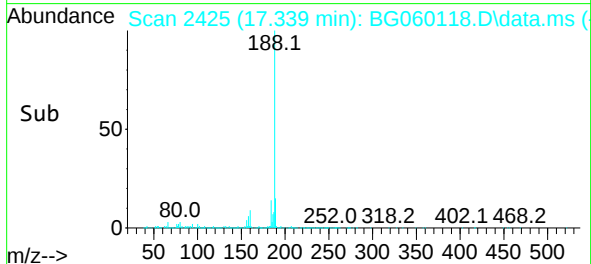
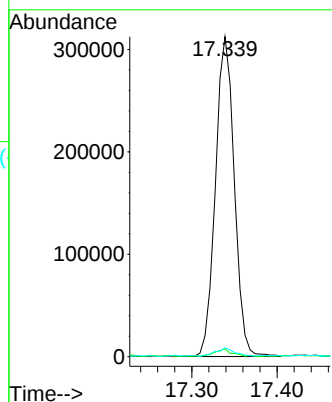
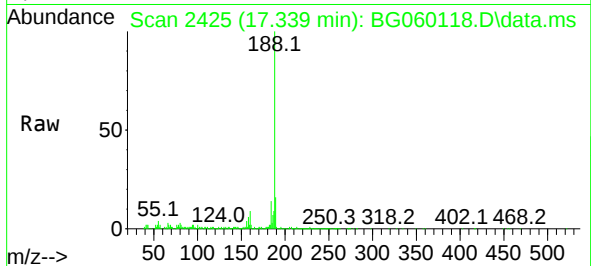
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Ion Ratio Lower Upper
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94 2.5 3.0 4.6
80 2.8 4.0 6.0

Manual Integrations

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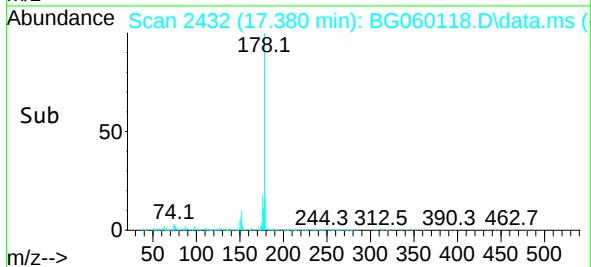
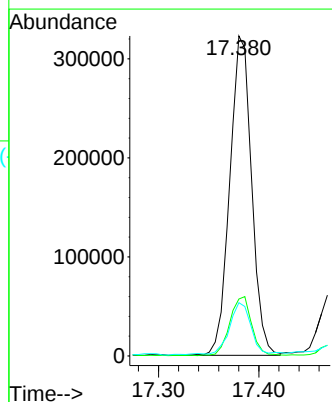
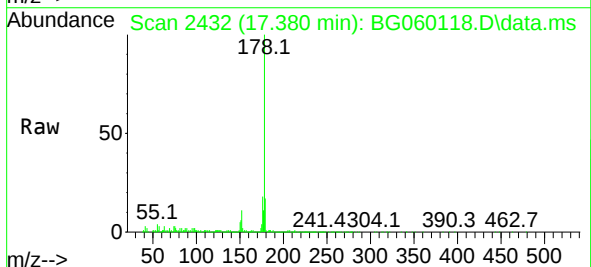
Reviewed By :Yogesh Patel 12/21/2023

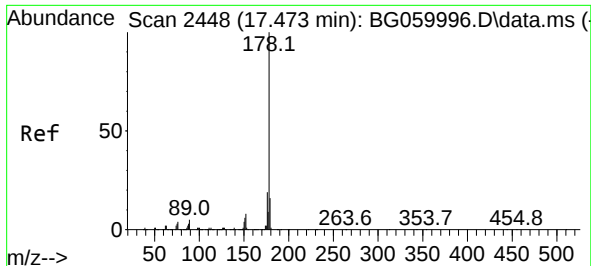
Supervised By :mohammad ahmed 12/21/2023



#71
Phenanthrene
Concen: 21.009 ng
RT: 17.380 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

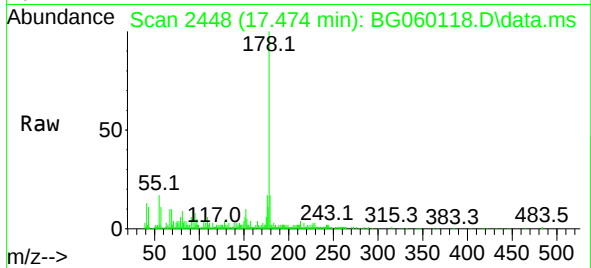
Tgt Ion:178 Resp: 487709
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 16.6 12.6 19.0





#72
 Anthracene
 Concen: 4.008 ng
 RT: 17.474 min Scan# 2448
 Delta R.T. -0.003 min
 Lab File: BG060118.D
 Acq: 21 Dec 2023 3:58

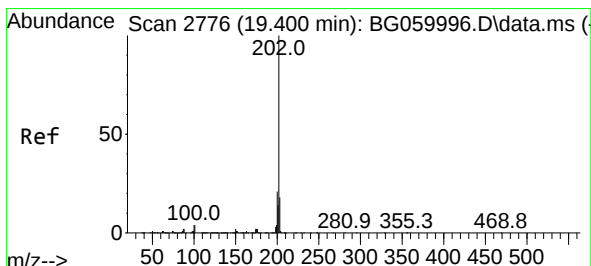
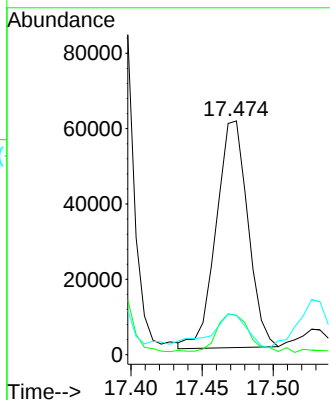
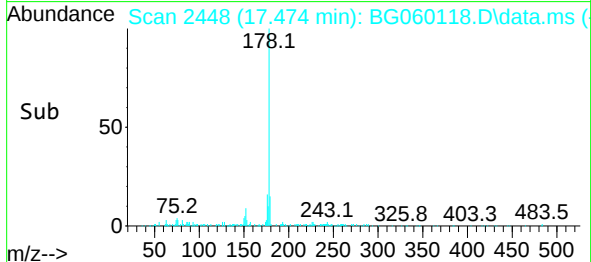
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20017



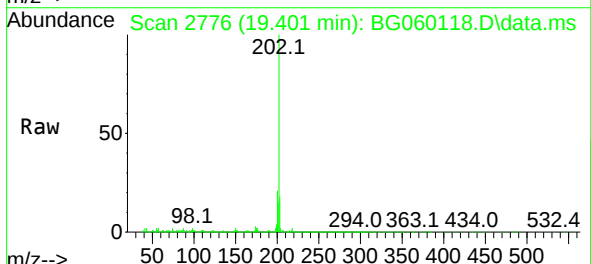
Tgt Ion:178 Resp: 9355
 Ion Ratio Lower Upper
 178 100
 176 16.9 15.0 22.6
 179 16.9 12.6 19.0

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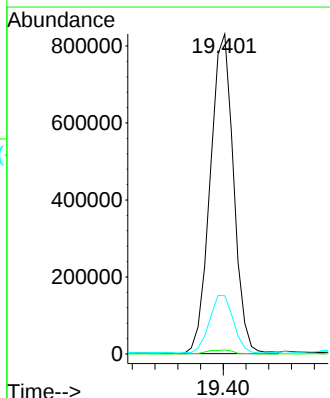
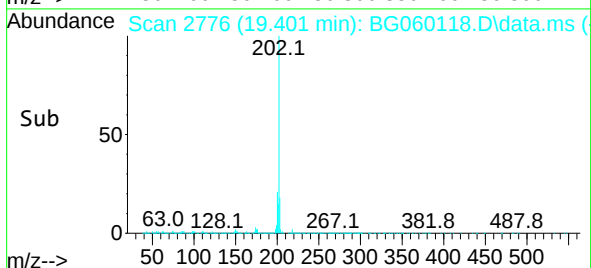
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

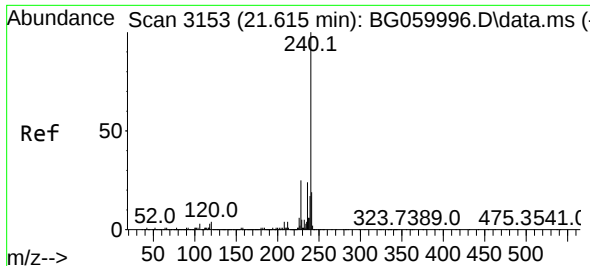


#75
 Fluoranthene
 Concen: 34.931 ng
 RT: 19.401 min Scan# 2776
 Delta R.T. -0.003 min
 Lab File: BG060118.D
 Acq: 21 Dec 2023 3:58



Tgt Ion:202 Resp: 1183299
 Ion Ratio Lower Upper
 202 100
 101 1.2 0.0 24.2
 203 18.2 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3153
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

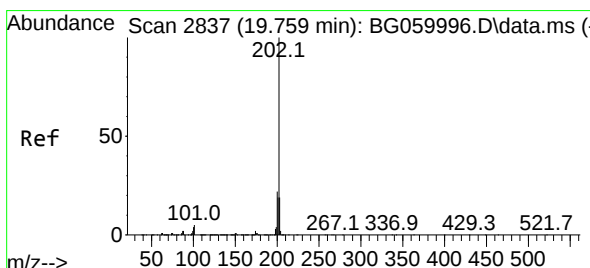
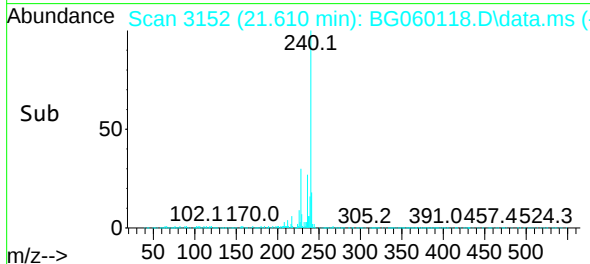
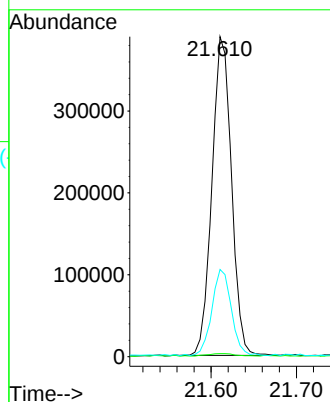
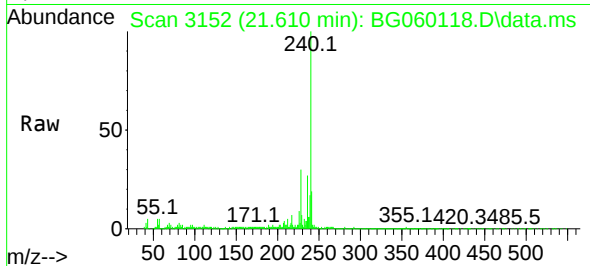
CHRT-20017

Tgt Ion:240 Resp: 618620
Ion Ratio Lower Upper
240 100
120 1.0 2.9 4.3
236 27.3 19.4 29.2

Manual Integrations

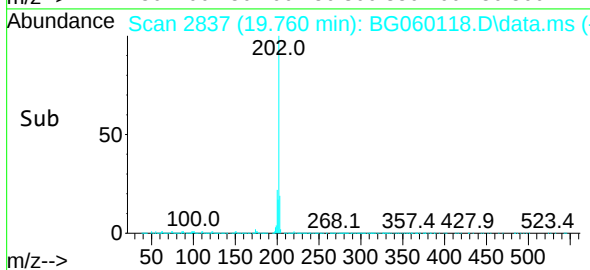
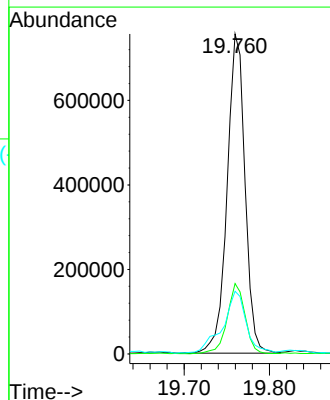
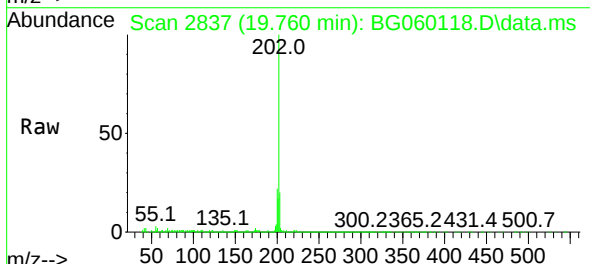
APPROVED

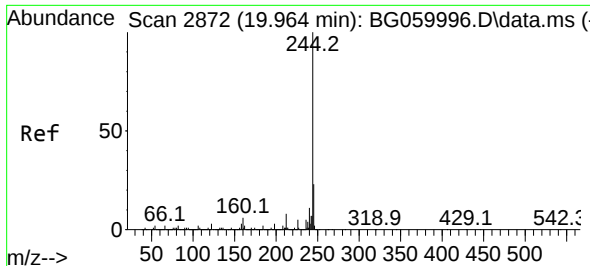
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#78
Pyrene
Concen: 29.367 ng
RT: 19.760 min Scan# 2837
Delta R.T. -0.003 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:202 Resp: 1101252
Ion Ratio Lower Upper
202 100
200 22.0 17.6 26.4
203 19.6 14.9 22.3





#79
 Terphenyl-d14
 Concen: 38.565 ng
 RT: 19.959 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG060118.D
 Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

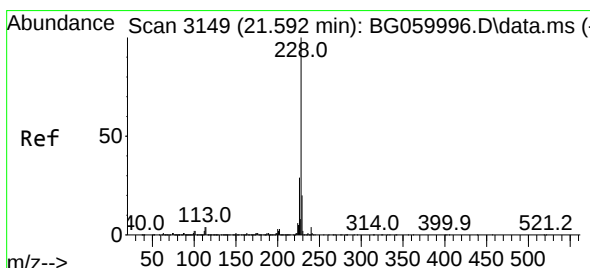
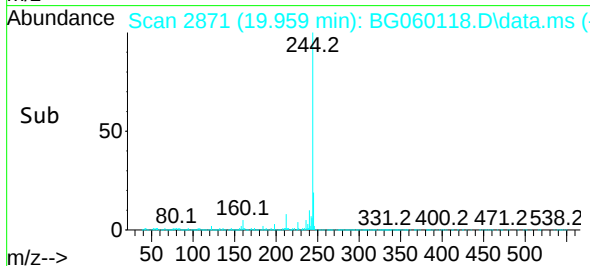
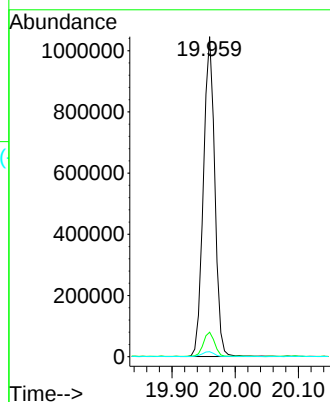
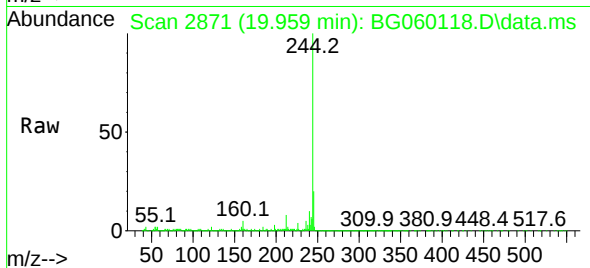
CHRT-20017

Tgt Ion:244 Resp: 130673
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.8 10.2
 122 1.6 2.6 3.8

Manual Integrations

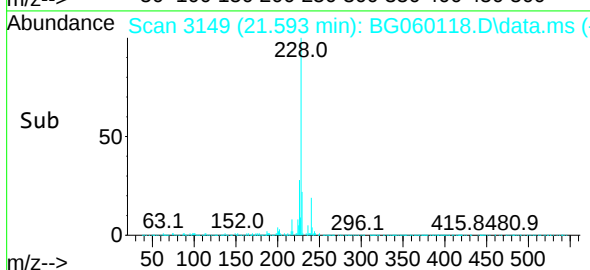
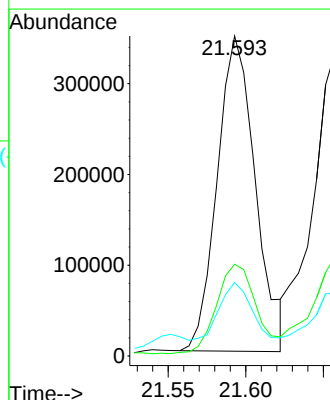
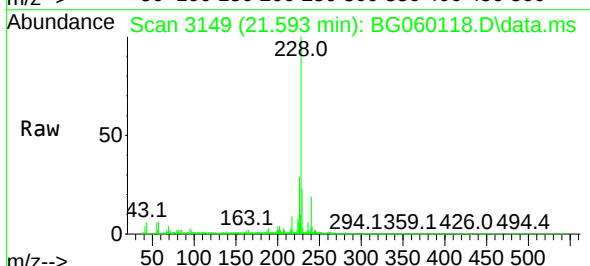
APPROVED

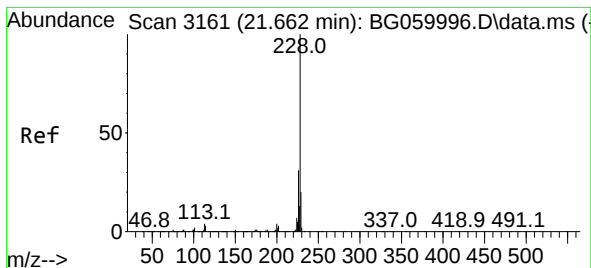
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023



#81
 Benzo(a)anthracene
 Concen: 14.304 ng
 RT: 21.593 min Scan# 3149
 Delta R.T. -0.009 min
 Lab File: BG060118.D
 Acq: 21 Dec 2023 3:58

Tgt Ion:228 Resp: 594415
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.9 34.3
 229 22.9 16.2 24.2





#83

Chrysene

Concen: 15.340 ng

RT: 21.657 min Scan# 3161

Delta R.T. -0.009 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

Tgt Ion:228 Resp: 603909

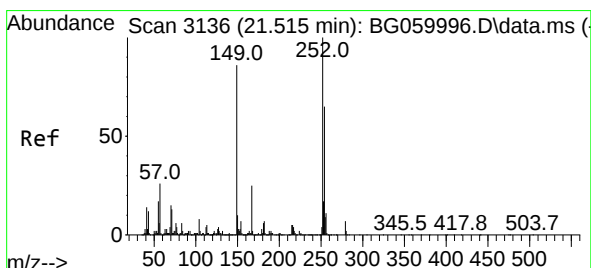
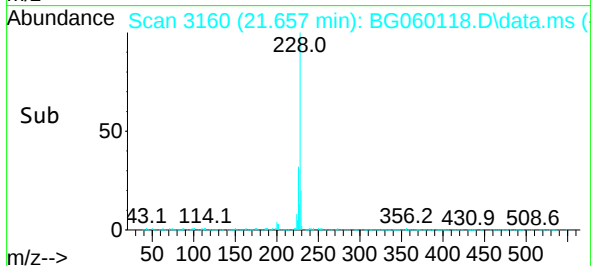
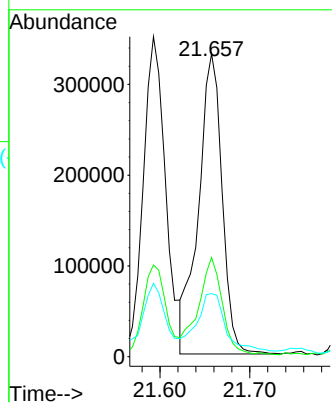
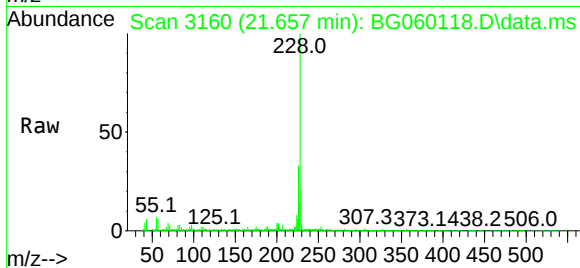
Ion	Ratio	Lower	Upper
228	100		
226	32.7	25.0	37.6
229	20.8	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 13.943 ng

RT: 21.505 min Scan# 3134

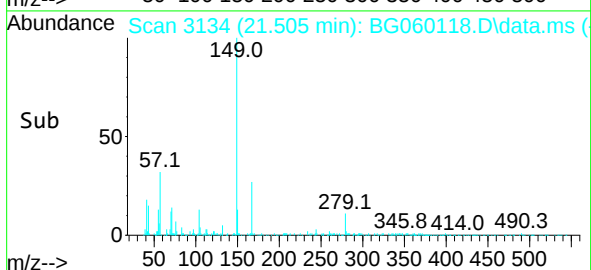
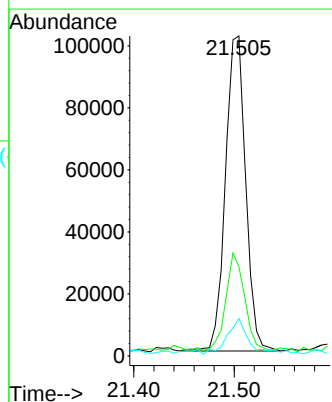
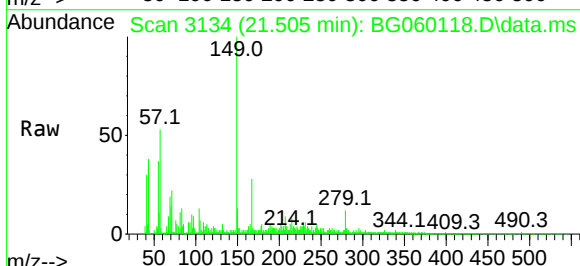
Delta R.T. -0.009 min

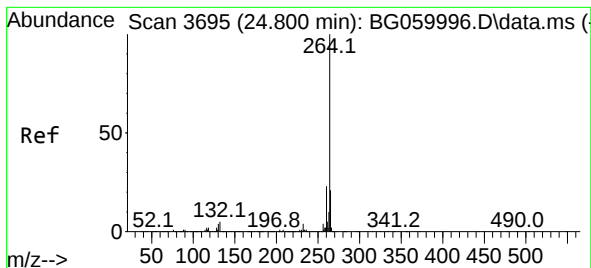
Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Tgt Ion:149 Resp: 142331

Ion	Ratio	Lower	Upper
149	100		
167	27.8	23.0	34.6
279	11.7	6.2	9.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.818 min Scan# 30

Delta R.T. 0.003 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

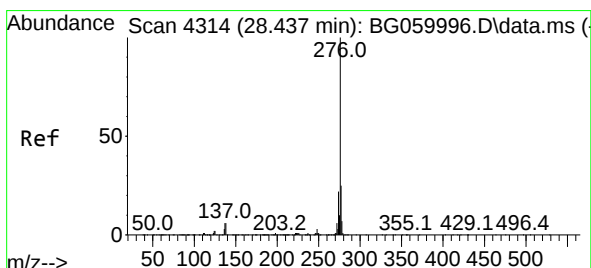
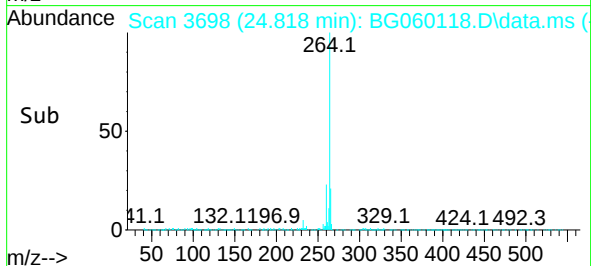
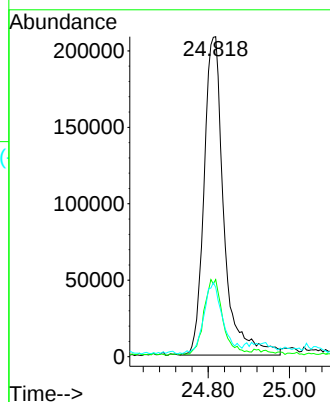
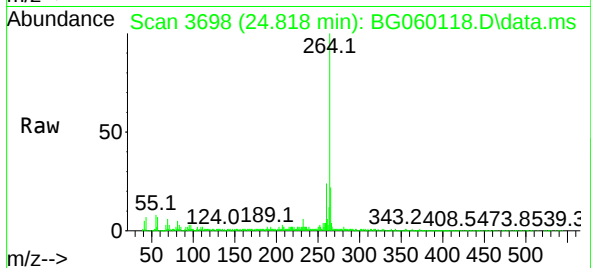
Tgt Ion:264 Resp: 70428
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.5 27.7
 265 21.7 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.367 ng

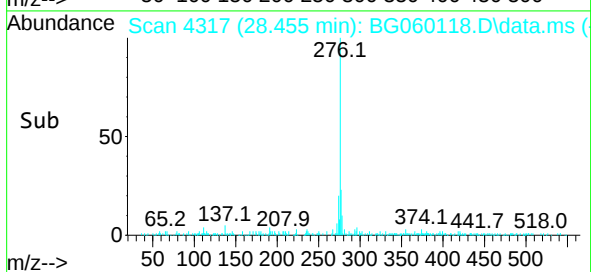
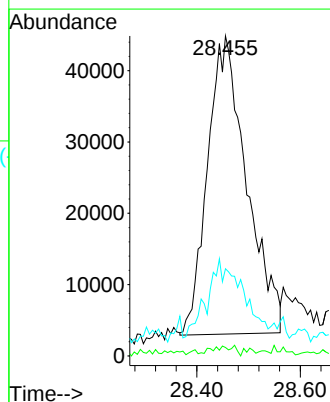
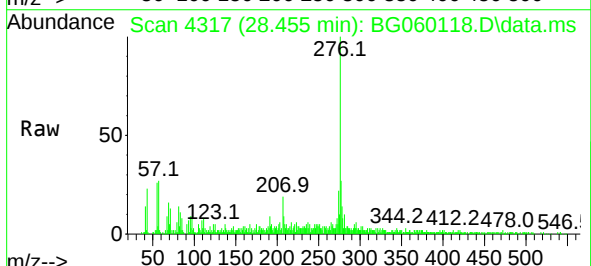
RT: 28.455 min Scan# 4317

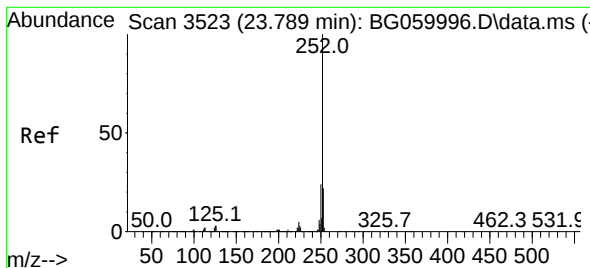
Delta R.T. -0.003 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Tgt Ion:276 Resp: 219510
 Ion Ratio Lower Upper
 276 100
 138 0.7 4.7 7.1#
 277 10.3 20.0 30.0#





#88

Benzo(b)fluoranthene

Concen: 15.743 ng

RT: 23.796 min Scan# 3

Delta R.T. -0.003 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

Tgt Ion:252 Resp: 684778

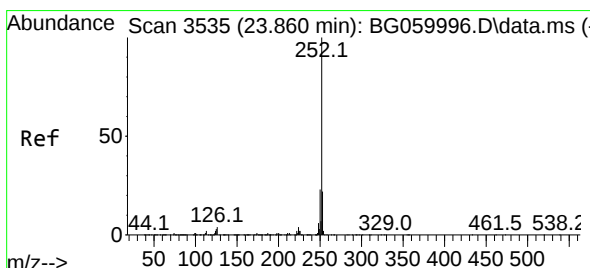
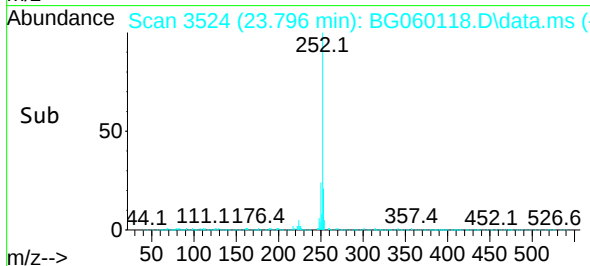
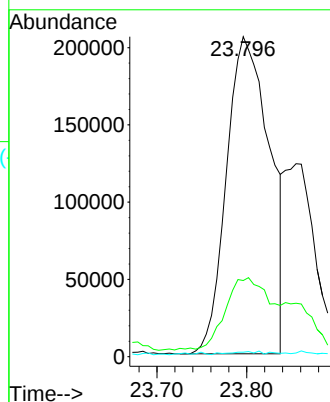
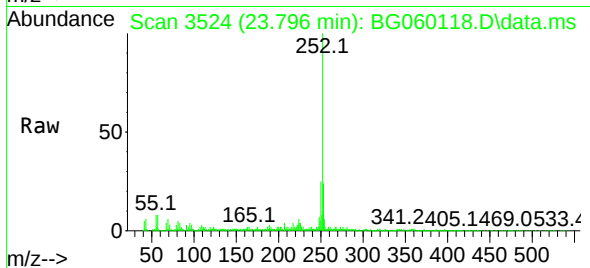
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	1.4	2.6	4.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#89

Benzo(k)fluoranthene

Concen: 7.530 ng m

RT: 23.855 min Scan# 3534

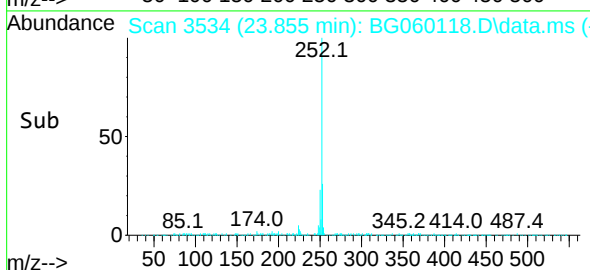
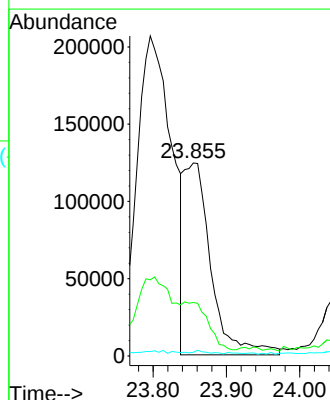
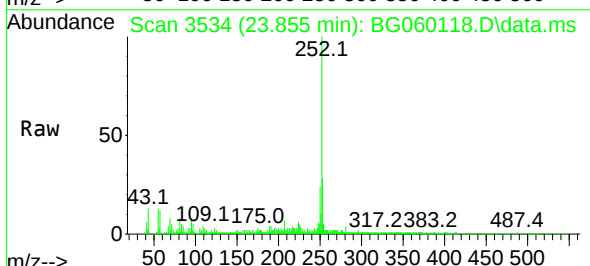
Delta R.T. -0.015 min

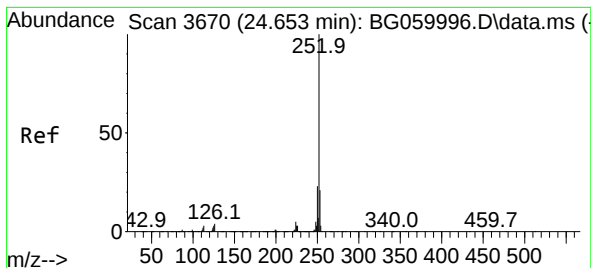
Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Tgt Ion:252 Resp: 317706

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.8	26.6#
125	1.9	2.5	3.7#





#90

Benzo(a)pyrene

Concen: 14.666 ng m

RT: 24.660 min Scan# 3

Delta R.T. -0.003 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

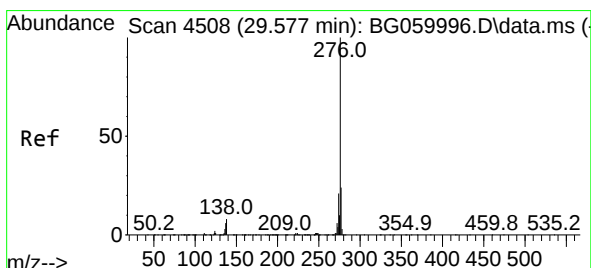
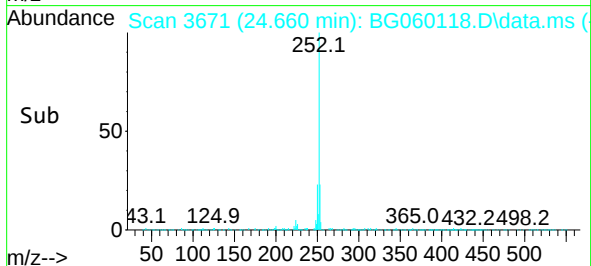
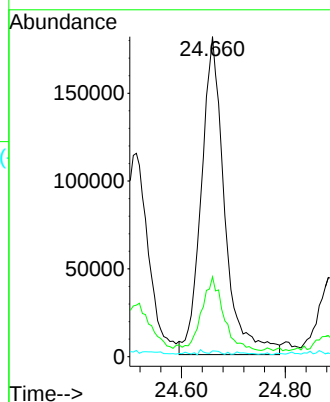
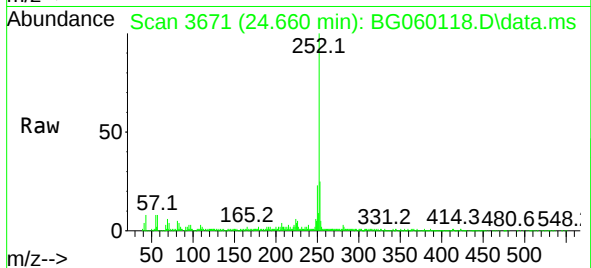
CHRT-20017

Tgt Ion:252 Resp: 565174
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.1 25.7
 125 0.9 2.6 4.0

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 5.492 ng m

RT: 29.583 min Scan# 4509

Delta R.T. -0.015 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Tgt Ion:276 Resp: 229613
 Ion Ratio Lower Upper
 276 100
 277 22.6 19.4 29.2
 138 4.2 6.0 9.0

