

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060115.D
 Acq On : 21 Dec 2023 1:56
 Operator : MA/JU
 Sample : 05832-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20103

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 02:44:59 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	7.947	152	47481	20.000	ng	-0.01
21) Naphthalene-d8	10.755	136	150636	20.000	ng	# 0.00
39) Acenaphthene-d10	14.586	164	146549	20.000	ng	-0.01
64) Phenanthrene-d10	17.341	188	429971	20.000	ng	# 0.00
76) Chrysene-d12	21.619	240	593217	20.000	ng	# 0.00
86) Perylene-d12	24.815	264	657010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	168037	60.583	ng	0.00
7) Phenol-d6	7.112	99	265857	68.141	ng	0.00
23) Nitrobenzene-d5	9.116	82	224902	67.795	ng	0.00
42) 2,4,6-Tribromophenol	16.078	330	340768	99.778	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	751598	62.769	ng	0.00
79) Terphenyl-d14	19.962	244	2030568	62.494	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.383	178	68009	3.265	ng	# 95
75) Fluoranthene	19.398	202	219773	7.231	ng	94
78) Pyrene	19.762	202	172057	4.785	ng	95
81) Benzo(a)anthracene	21.601	228	106566m	2.674	ng	
83) Chrysene	21.666	228	129023	3.418	ng	96
84) Bis(2-ethylhexyl)phtha...	21.507	149	185304	18.930	ng	# 91
88) Benzo(b)fluoranthene	23.804	252	167210	4.121	ng	# 92
90) Benzo(a)pyrene	24.662	252	96248	2.677	ng	# 89

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

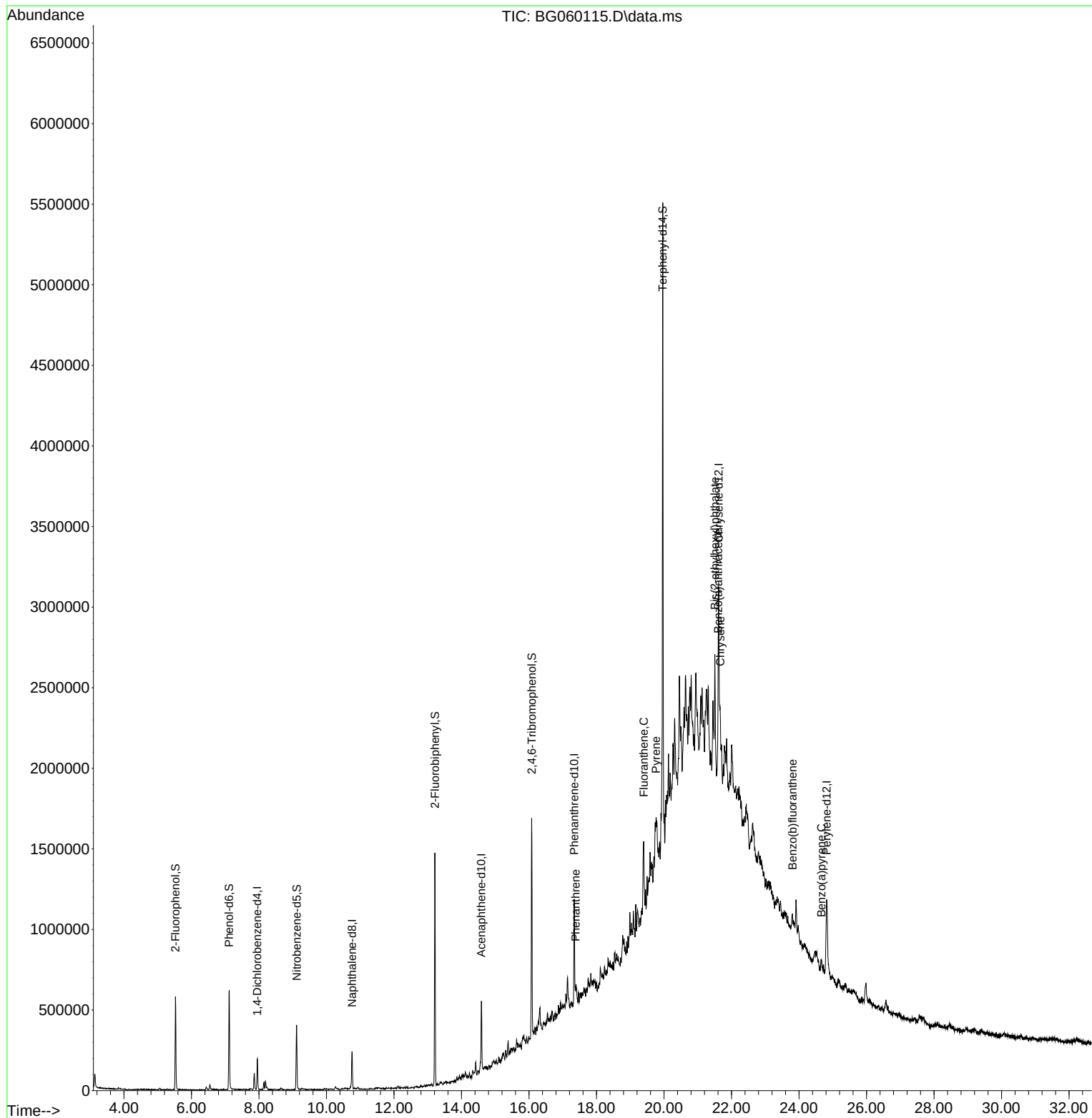
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
Data File : BG060115.D
Acq On : 21 Dec 2023 1:56
Operator : MA/JU
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ALS Vial : 13 Sample Multiplier: 1

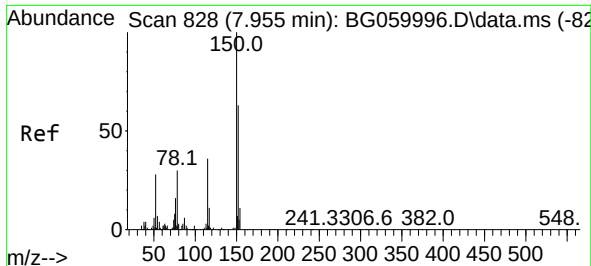
Instrument :
BNA_G
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Quant Time: Dec 21 02:44:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 04:37:23 2023
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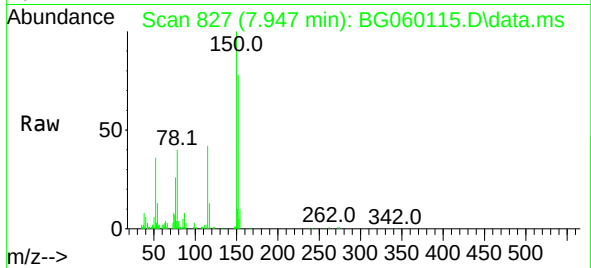
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

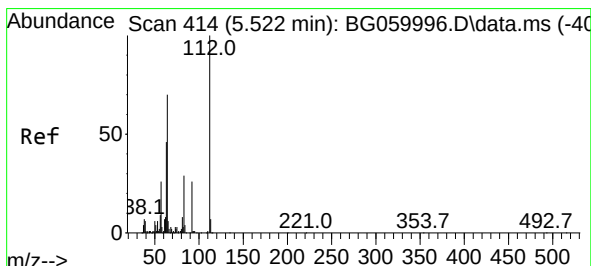
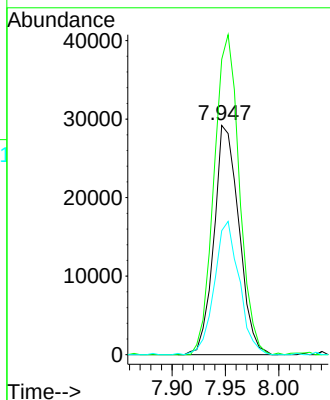
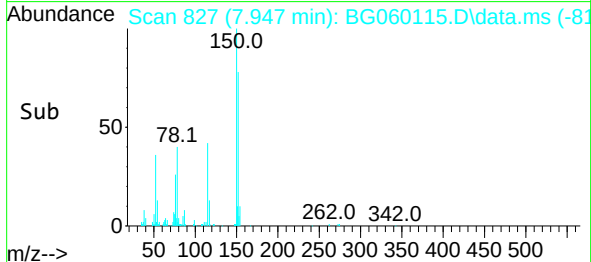
Instrument :
BNA_G
ClientSampleId :
CHRT-20103



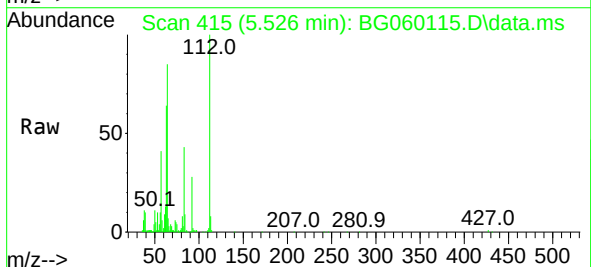
Tgt Ion:152 Resp: 4748
Ion Ratio Lower Upper
152 100
150 128.8 127.0 190.6
115 54.1 45.7 68.5

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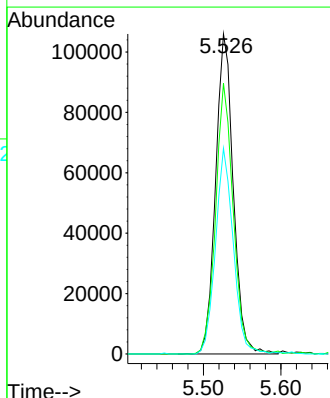
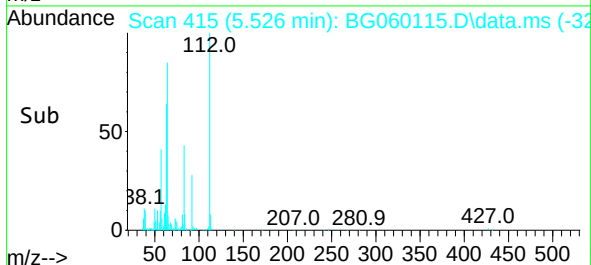
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

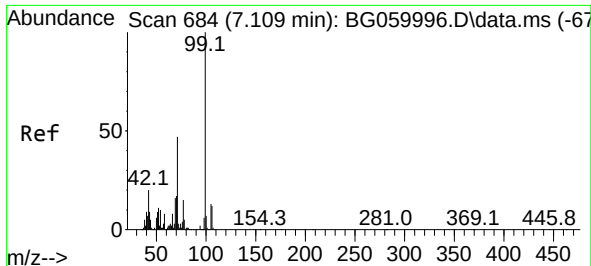


#5
2-Fluorophenol
Concen: 60.583 ng
RT: 5.526 min Scan# 415
Delta R.T. -0.000 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56



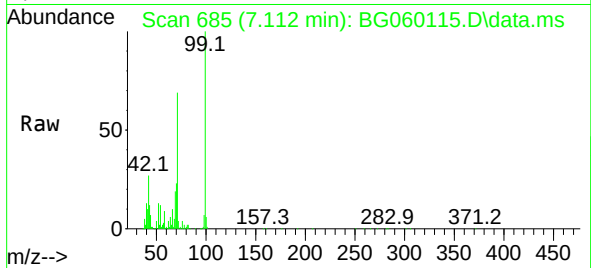
Tgt Ion:112 Resp: 168037
Ion Ratio Lower Upper
112 100
64 84.5 55.9 83.9#
63 64.2 36.5 54.7#





#7
Phenol-d6
Concen: 68.141 ng
RT: 7.112 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

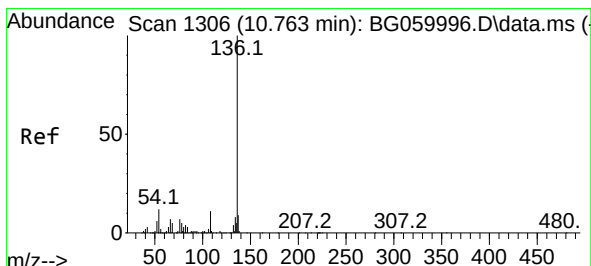
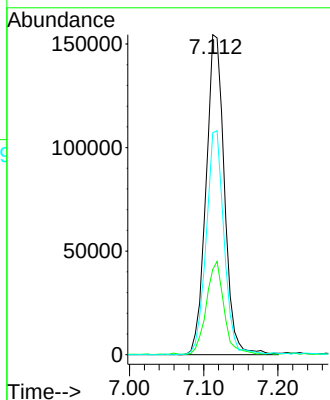
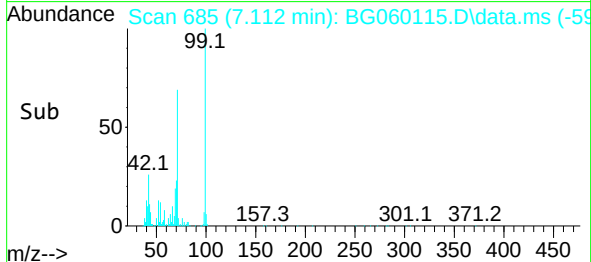
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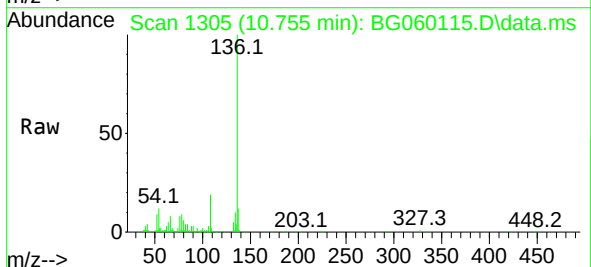
Tgt Ion: 99 Resp: 26585
Ion Ratio Lower Upper
99 100
42 26.7 16.2 24.4#
71 69.3 37.6 56.4#

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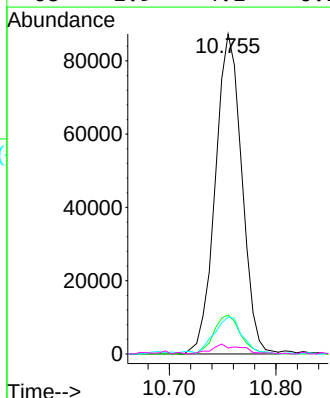
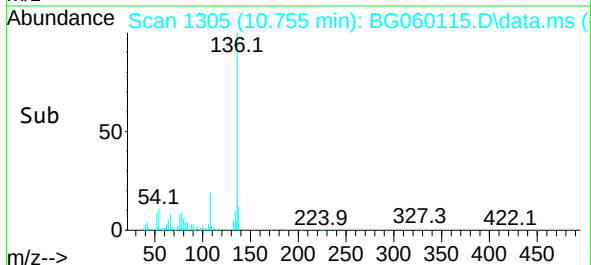
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

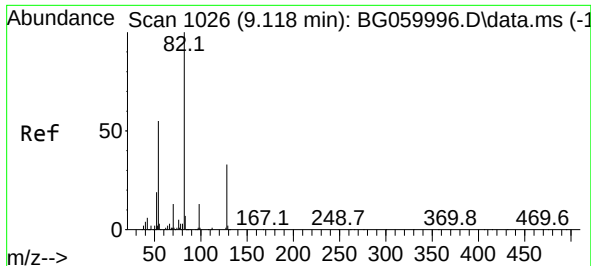


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.755 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56



Tgt Ion:136 Resp: 150636
Ion Ratio Lower Upper
136 100
137 12.2 7.3 10.9#
54 11.5 9.6 14.4
68 1.9 4.1 6.1#





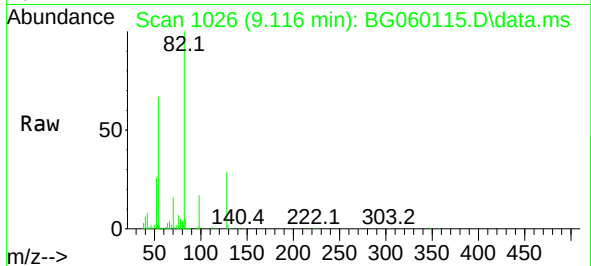
#23
Nitrobenzene-d5
Concen: 67.795 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103



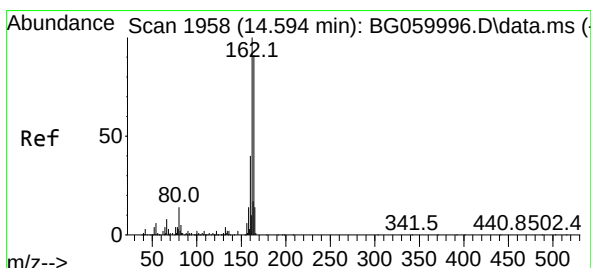
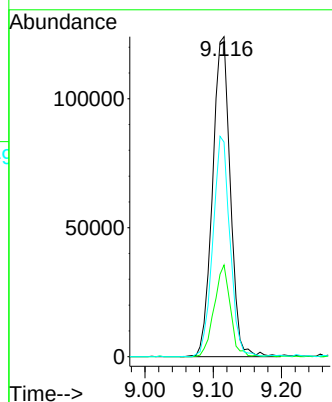
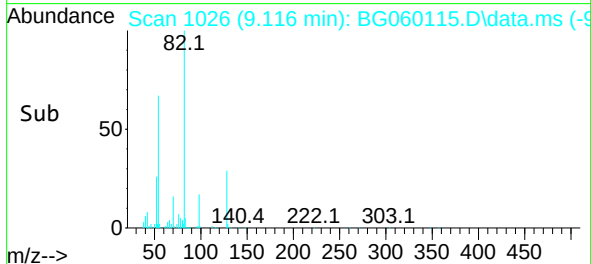
Tgt Ion: 82 Resp: 22490
Ion Ratio Lower Upper
82 100
128 28.7 26.3 39.5
54 67.1 44.3 66.5

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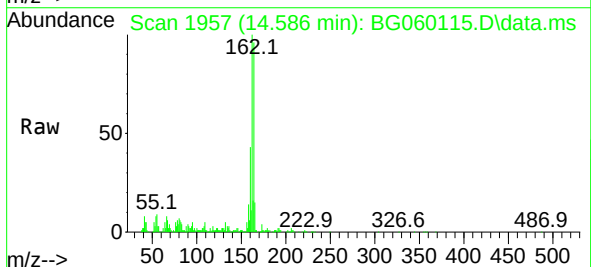
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Reviewed By :Yogesh Patel 12/21/2023

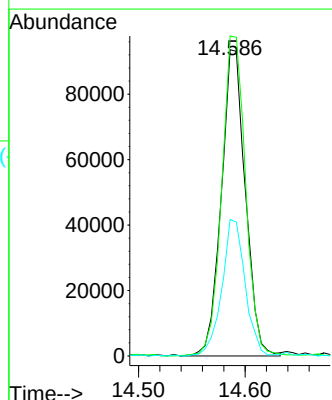
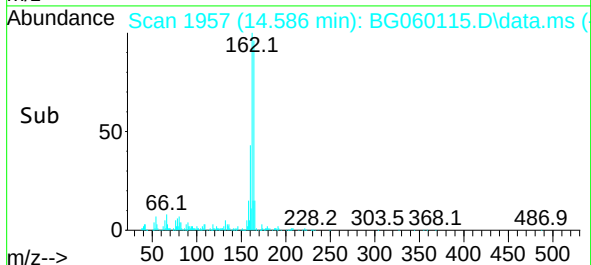
Supervised By :mohammad ahmed 12/21/2023

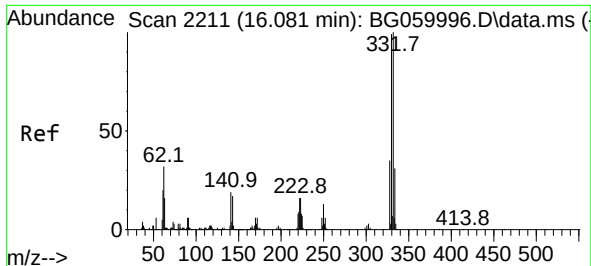


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56



Tgt Ion:164 Resp: 146549
Ion Ratio Lower Upper
164 100
162 104.5 88.1 132.1
160 44.6 35.4 53.0





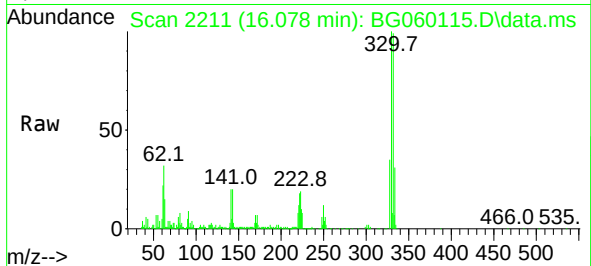
#42
2,4,6-Tribromophenol
Concen: 99.778 ng
RT: 16.078 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

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CHRT-20103

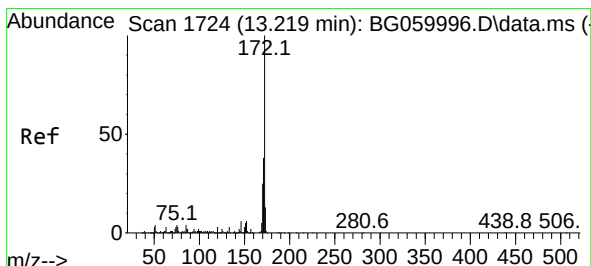
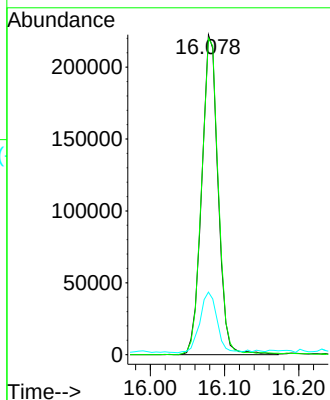
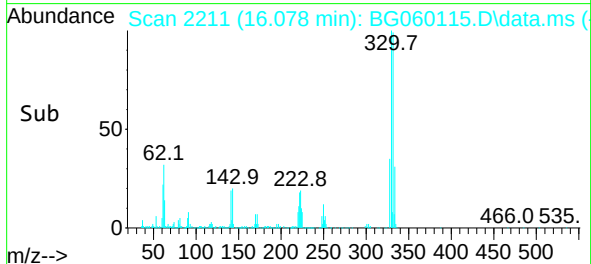


Tgt Ion:330 Resp: 340768
Ion Ratio Lower Upper
330 100
332 100.3 76.2 114.4
141 20.0 14.3 21.5

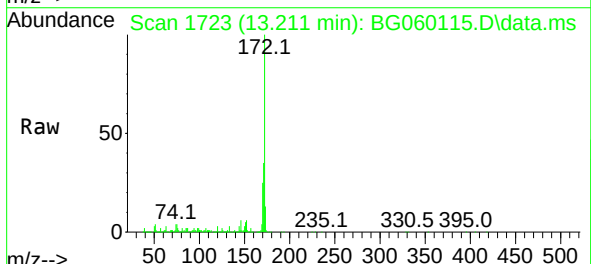
Manual Integrations

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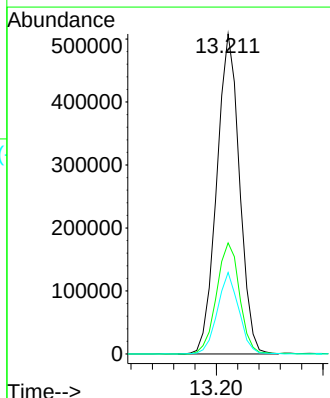
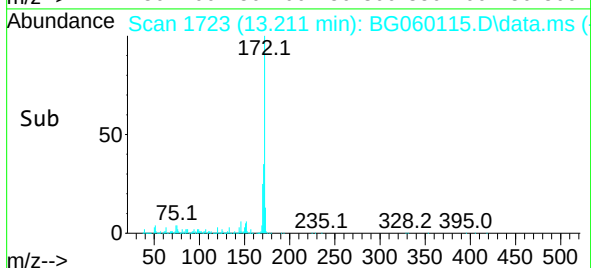
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

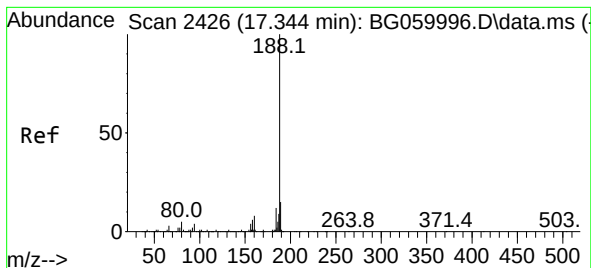


#45
2-Fluorobiphenyl
Concen: 62.769 ng
RT: 13.211 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56



Tgt Ion:172 Resp: 751598
Ion Ratio Lower Upper
172 100
171 34.7 30.1 45.1
170 25.4 20.0 30.0





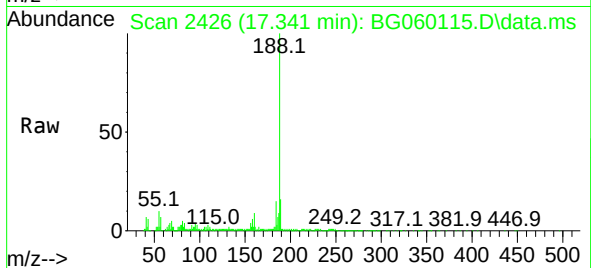
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103



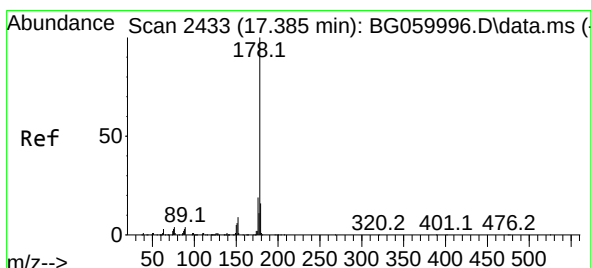
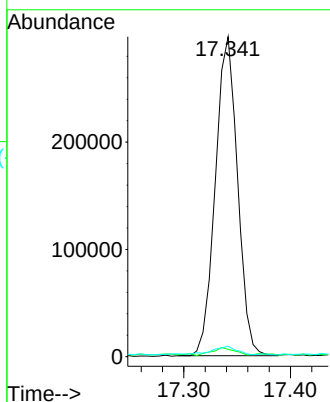
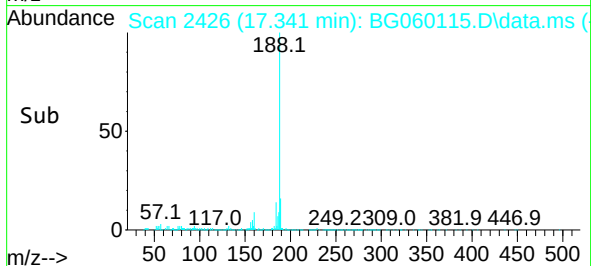
Tgt Ion:188 Resp: 42997
Ion Ratio Lower Upper
188 100
94 2.3 3.0 4.6
80 3.3 4.0 6.0

Manual Integrations

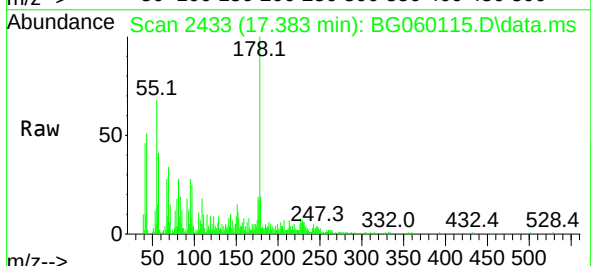
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Reviewed By :Yogesh Patel 12/21/2023

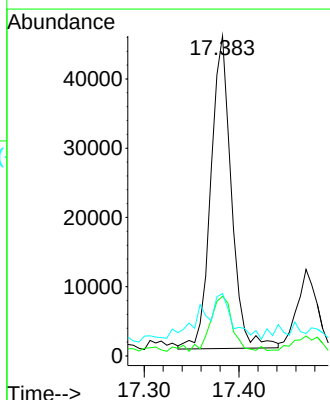
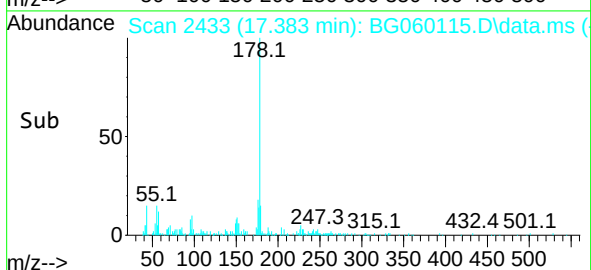
Supervised By :mohammad ahmed 12/21/2023

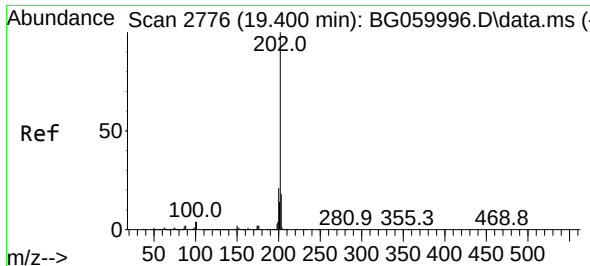


#71
Phenanthrene
Concen: 3.265 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56



Tgt Ion:178 Resp: 68009
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 19.5 12.6 19.0





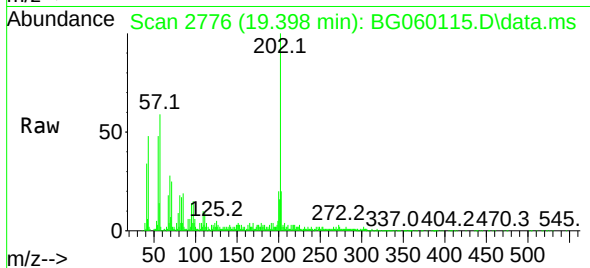
#75
Fluoranthene
Concen: 7.231 ng
RT: 19.398 min Scan# 21977
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103



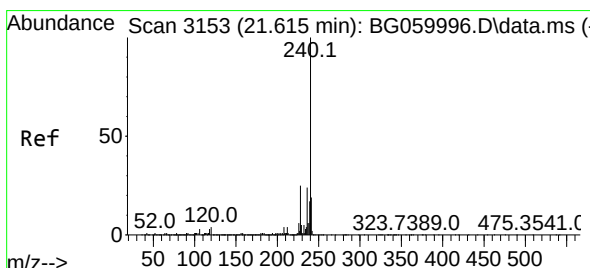
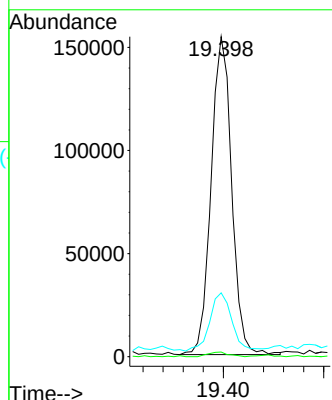
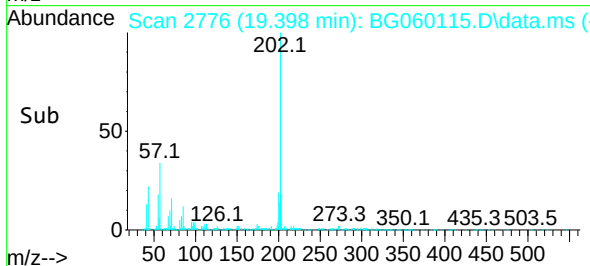
Tgt Ion:202 Resp: 21977
Ion Ratio Lower Upper
202 100
101 1.4 0.0 24.2
203 20.0 0.0 37.6

Manual Integrations

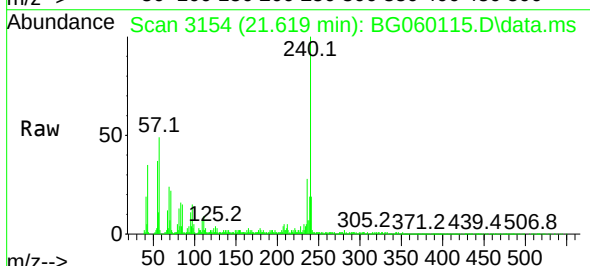
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Reviewed By :Yogesh Patel 12/21/2023

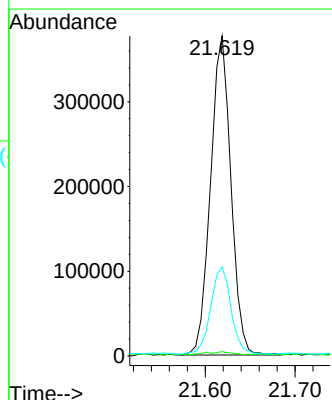
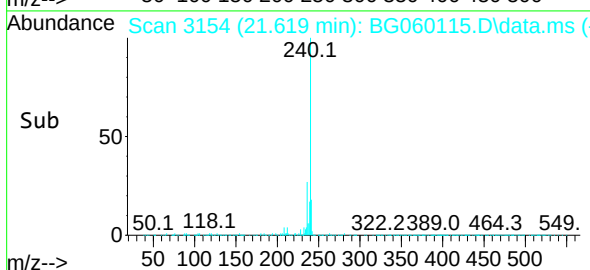
Supervised By :mohammad ahmed 12/21/2023

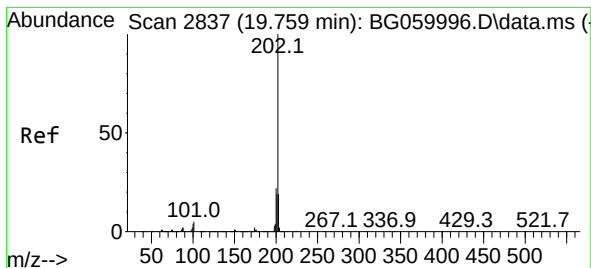


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.619 min Scan# 3154
Delta R.T. -0.000 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56



Tgt Ion:240 Resp: 593217
Ion Ratio Lower Upper
240 100
120 1.4 2.9 4.3#
236 27.8 19.4 29.2





#78

Pyrene

Concen: 4.785 ng

RT: 19.762 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103

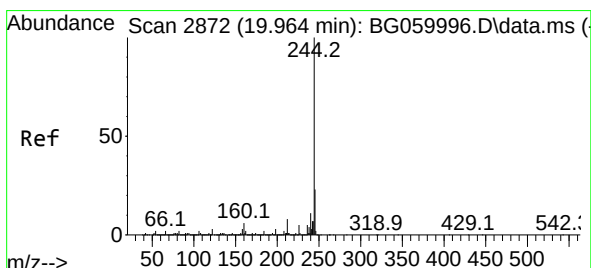
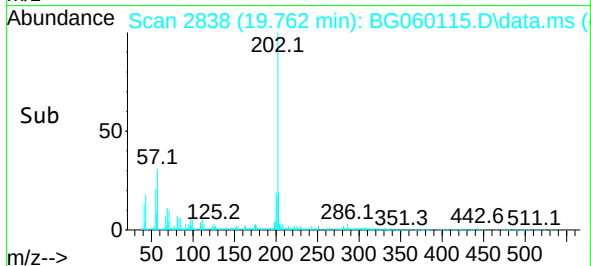
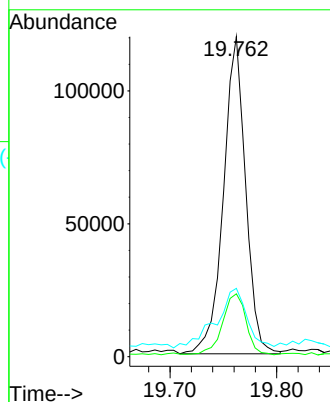
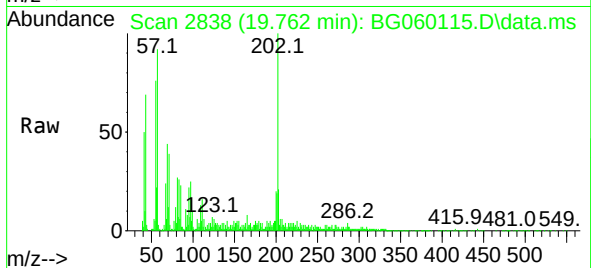
Tgt Ion:	202	Resp:	17205
Ion Ratio	Lower	Upper	
202	100		
200	19.6	17.6	26.4
203	21.3	14.9	22.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#79

Terphenyl-d14

Concen: 62.494 ng

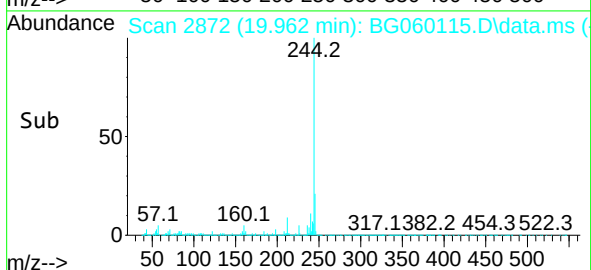
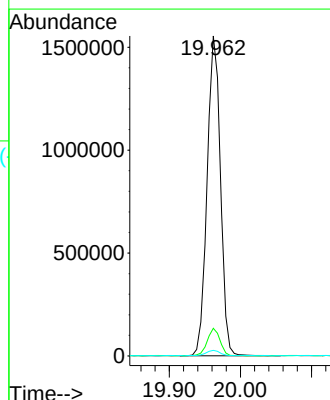
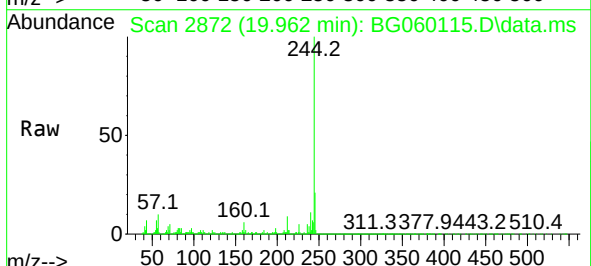
RT: 19.962 min Scan# 2872

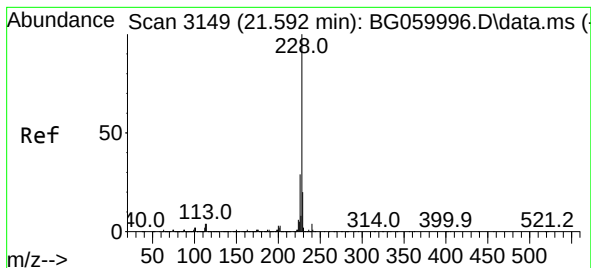
Delta R.T. -0.006 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

Tgt Ion:	244	Resp:	2030568
Ion Ratio	Lower	Upper	
244	100		
212	8.7	6.8	10.2
122	1.8	2.6	3.8





#81

Benzo(a)anthracene

Concen: 2.674 ng m

RT: 21.601 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103

Tgt Ion:228 Resp: 10656

Ion Ratio Lower Upper

228 100

226 28.0 22.9 34.3

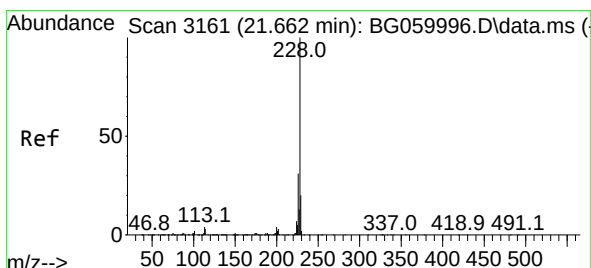
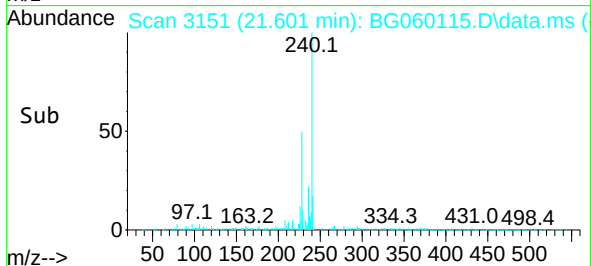
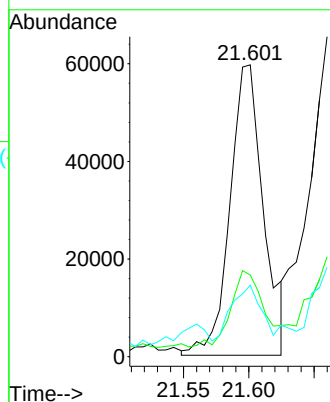
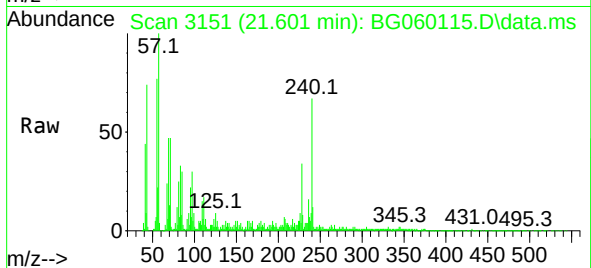
229 24.5 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#83

Chrysene

Concen: 3.418 ng

RT: 21.666 min Scan# 3162

Delta R.T. -0.000 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

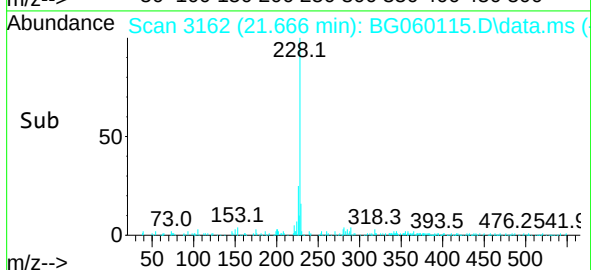
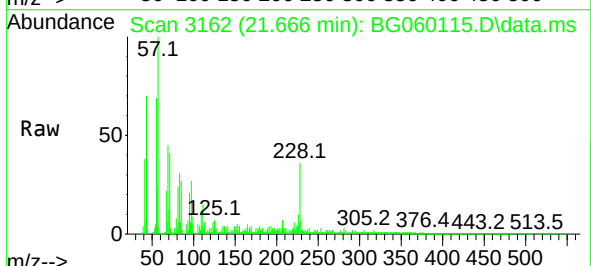
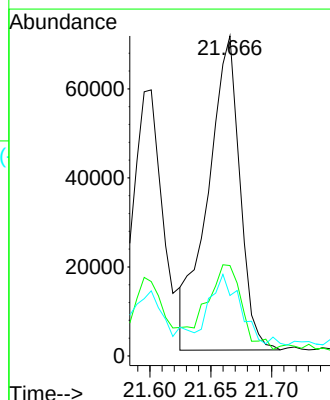
Tgt Ion:228 Resp: 129023

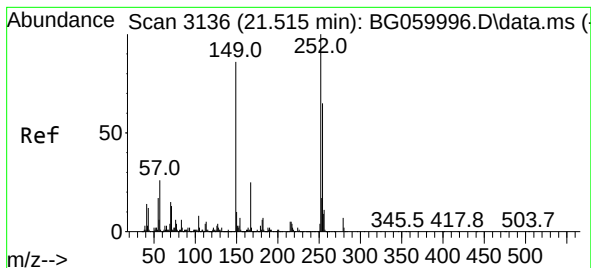
Ion Ratio Lower Upper

228 100

226 28.2 25.0 37.6

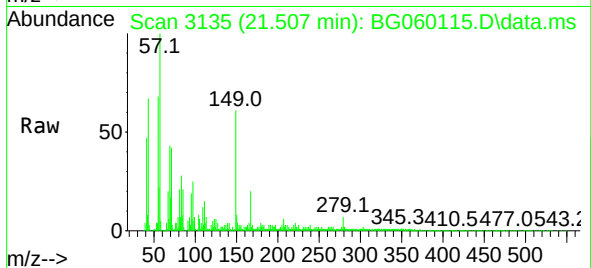
229 18.9 16.2 24.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 18.930 ng
RT: 21.507 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

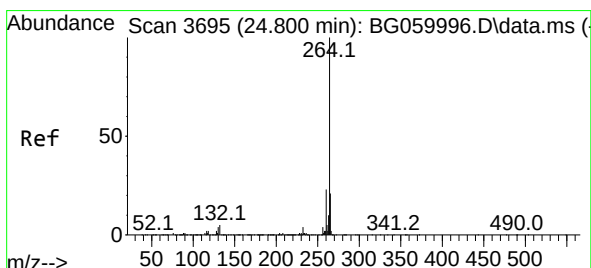
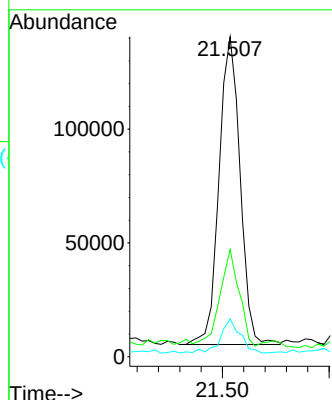
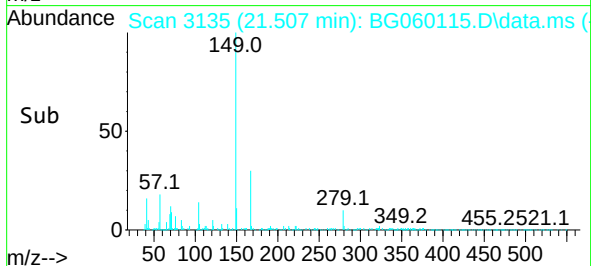
Instrument :
BNA_G
ClientSampleId :
CHRT-20103



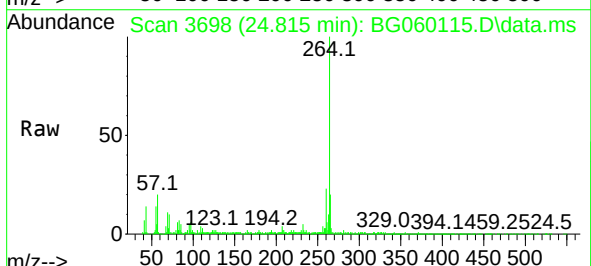
Tgt Ion:149 Resp: 185304
Ion Ratio Lower Upper
149 100
167 33.5 23.0 34.6
279 11.8 6.2 9.2

Manual Integrations
APPROVED

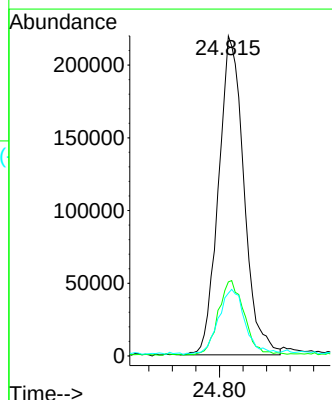
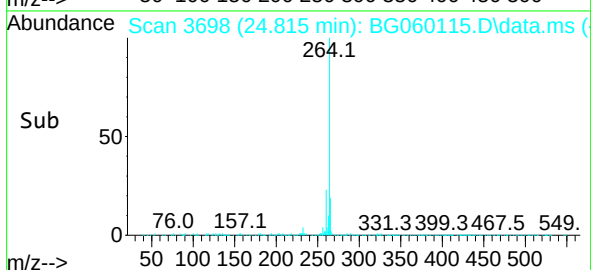
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

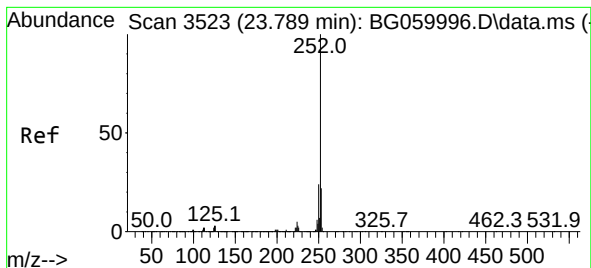


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.815 min Scan# 3698
Delta R.T. -0.000 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56



Tgt Ion:264 Resp: 657010
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 19.6 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 4.121 ng

RT: 23.804 min Scan# 3523

Delta R.T. 0.006 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103

Tgt Ion:252 Resp: 167210

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

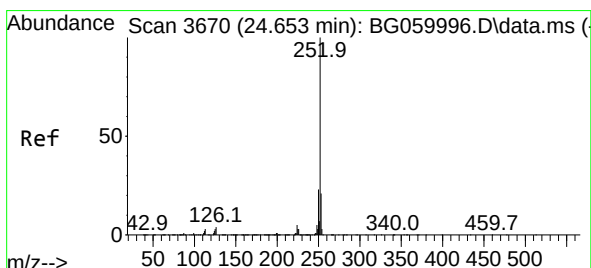
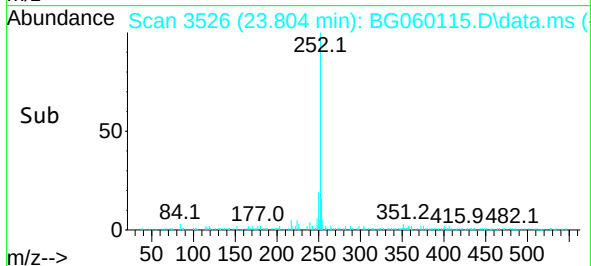
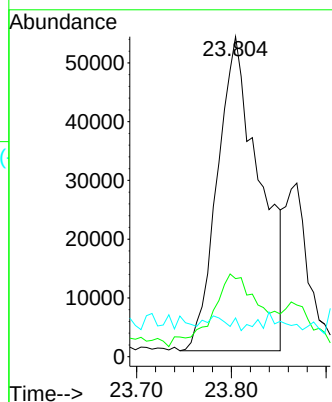
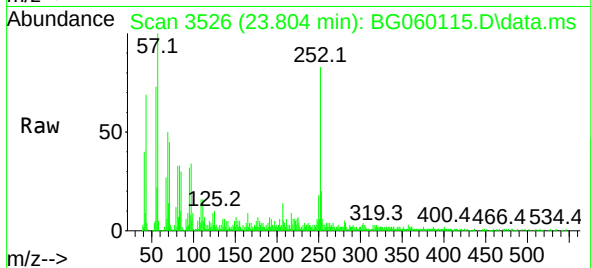
125 12.1 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#90

Benzo(a)pyrene

Concen: 2.677 ng

RT: 24.662 min Scan# 3672

Delta R.T. -0.000 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

Tgt Ion:252 Resp: 96248

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

125 12.2 2.6 4.0

