

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081023\
 Data File : BG058674.D
 Acq On : 10 Aug 2023 11:24
 Operator : MA/JU
 Sample : 03932-03 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB-01-Z30-32

Quant Time: Aug 11 01:53:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 08/11/2023

Supervised By :mohammad
 ahmed
 08/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.815	152	42509	20.000	ng	0.00
21) Naphthalene-d8	10.612	136	181207	20.000	ng	0.00
39) Acenaphthene-d10	14.460	164	118654	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	277659	20.000	ng	0.00
76) Chrysene-d12	21.446	240	252367	20.000	ng	0.00
86) Perylene-d12	24.525	264	295023	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.388	112	4216	1.516	ng	0.00
7) Phenol-d6	6.992	99	5407	1.397	ng	0.00
23) Nitrobenzene-d5	8.990	82	3697	1.002	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	1596	0.821	ng	0.02
45) 2-Fluorobiphenyl	13.079	172	8893	1.123	ng	0.00
79) Terphenyl-d14	19.824	244	16151	1.204	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.670	128	1795301	187.977	ng	97
37) 2-Methylnaphthalene	12.280	142	508160	74.382	ng	98
38) 1-Methylnaphthalene	12.498	142	337307	51.940	ng	99
46) 1,1'-Biphenyl	13.291	154	70486	8.650	ng	99
49) Acenaphthylene	14.184	152	31140	2.927	ng	# 83
52) Acenaphthene	14.525	154	246600	40.121	ng	97
55) Dibenzofuran	14.860	168	22018	2.085	ng	# 73
58) Fluorene	15.506	166	146134	17.417	ng	98
71) Phenanthrene	17.251	178	679015	51.566	ng	99
72) Anthracene	17.339	178	187870	13.905	ng	98
75) Fluoranthene	19.260	202	282090	17.834	ng	99
78) Pyrene	19.625	202	437132	25.452	ng	99
81) Benzo(a)anthracene	21.428	228	159321	9.173	ng	96
83) Chrysene	21.493	228	139789	8.395	ng	96
88) Benzo(b)fluoranthene	23.549	252	100458m	6.278	ng	
89) Benzo(k)fluoranthene	23.602	252	40133m	2.497	ng	
90) Benzo(a)pyrene	24.378	252	121189	7.712	ng	97
92) Benzo(g,h,i)perylene	29.108	276	43981	2.703	ng	# 93

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

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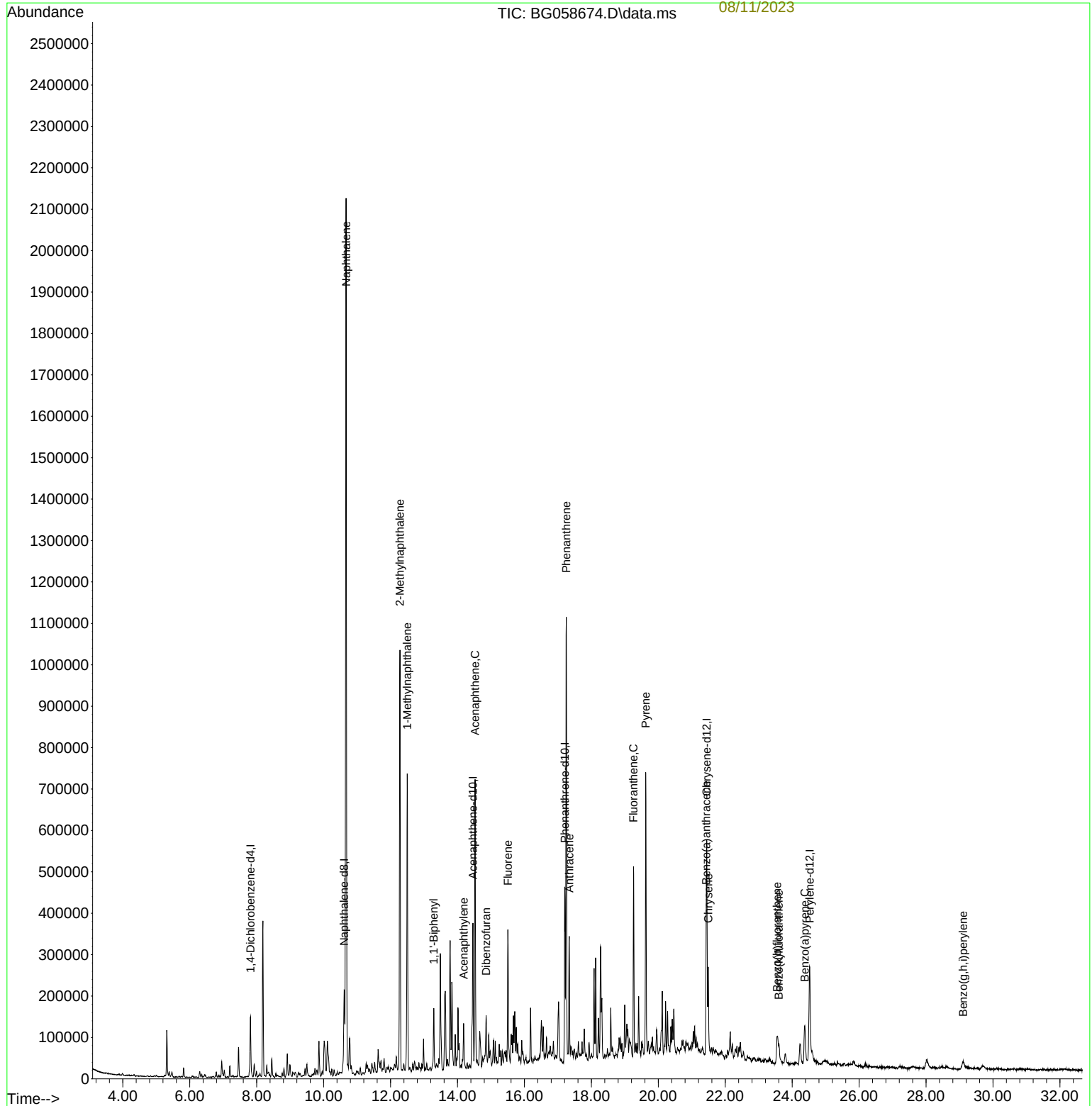
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

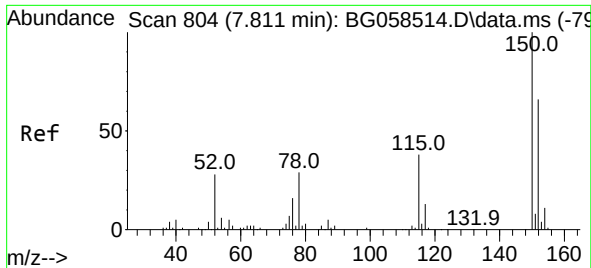
Quant Time: Aug 11 01:53:07 2023
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08/11/2023

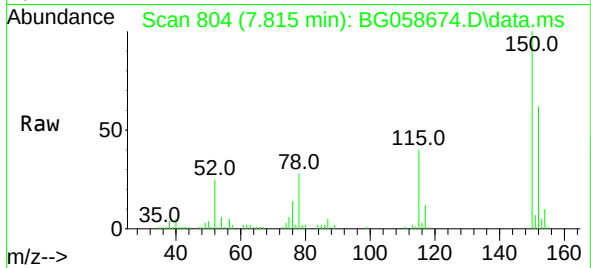
Supervised By :mohammad
ahmed
08/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.815 min Scan# 804
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

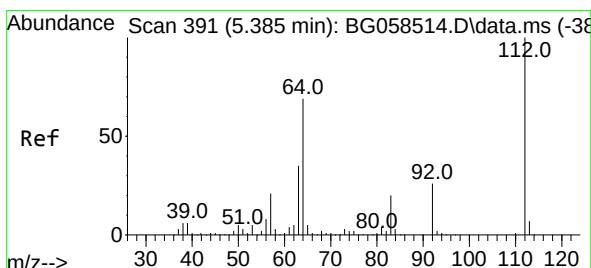
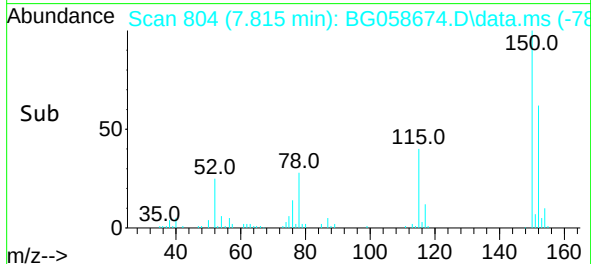
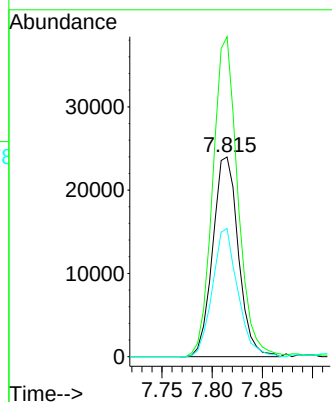


Tgt Ion:152 Resp: 42509
Ion Ratio Lower Upper
152 100
150 160.3 120.5 180.7
115 64.2 45.9 68.9

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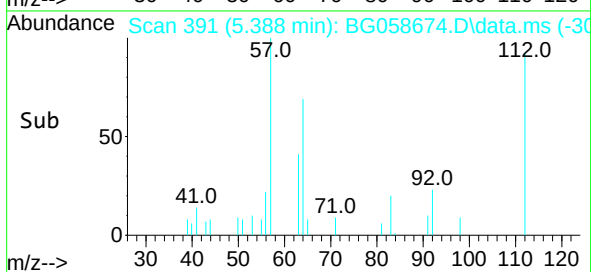
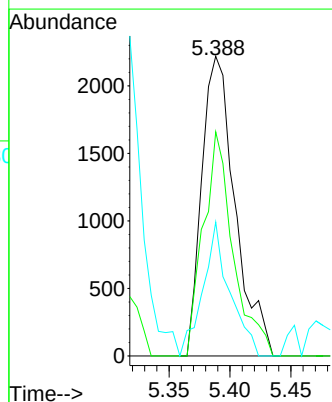
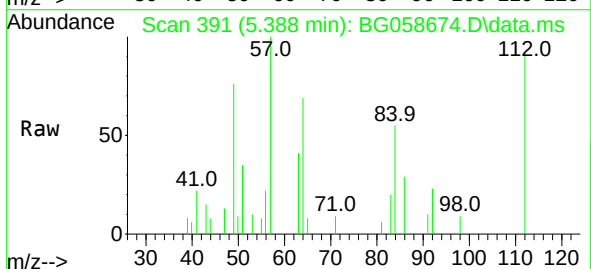
Reviewed By :Yogesh
Patel
08/11/2023

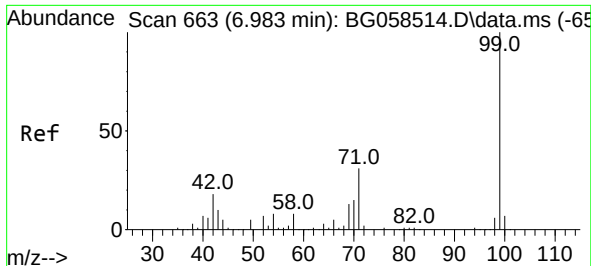
Supervised By :mohammad
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08/11/2023



#5
2-Fluorophenol
Concen: 1.516 ng
RT: 5.388 min Scan# 391
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

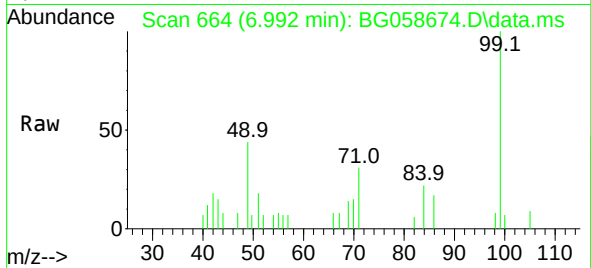
Tgt Ion:112 Resp: 4216
Ion Ratio Lower Upper
112 100
64 74.8 55.3 82.9
63 44.7 28.3 42.5#





#7
Phenol-d6
Concen: 1.397 ng
RT: 6.992 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

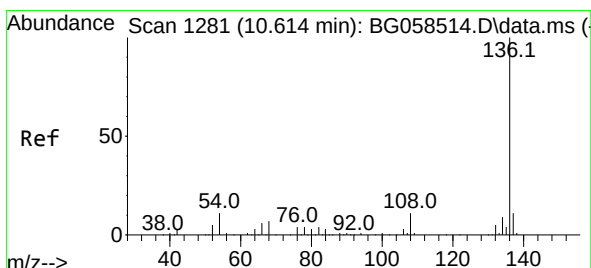
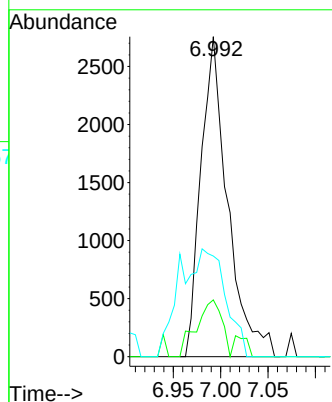


Tgt Ion: 99 Resp: 540
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 31.4 25.0 37.4

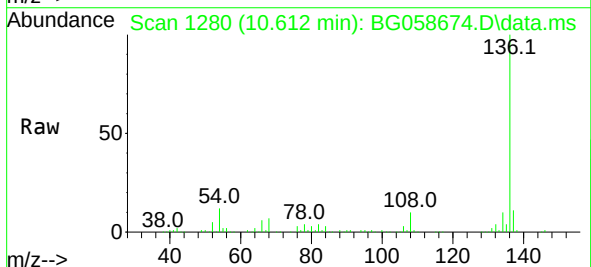
Manual Integrations
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08/11/2023

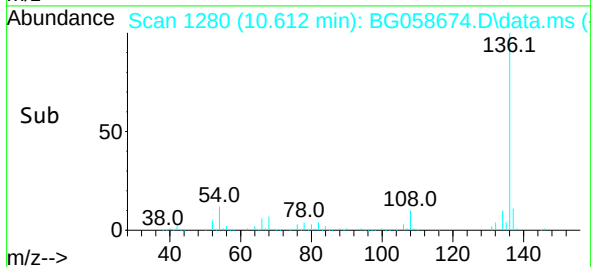
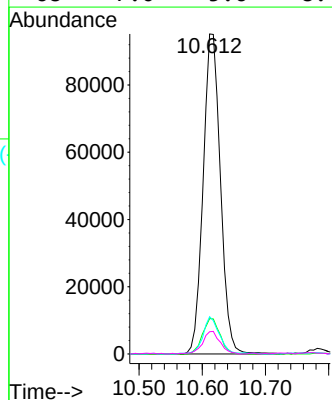
Supervised By :mohammad
ahmed
08/11/2023

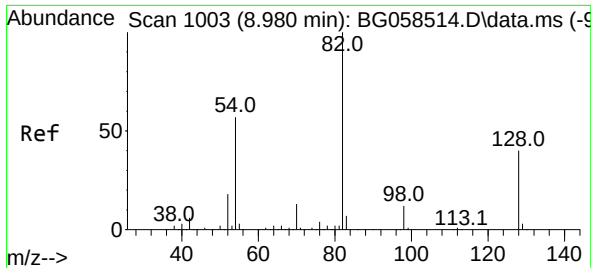


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.612 min Scan# 1280
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24



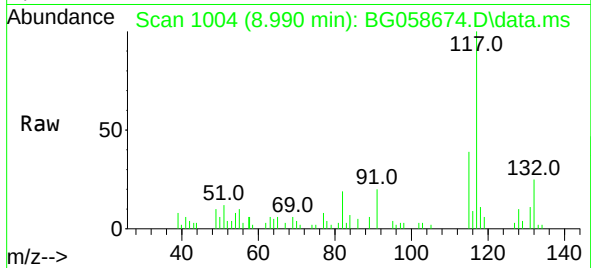
Tgt Ion:136 Resp: 181207
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 11.7 8.9 13.3
68 7.0 5.6 8.4





#23
Nitrobenzene-d5
Concen: 1.002 ng
RT: 8.990 min Scan# 1004
Delta R.T. 0.009 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

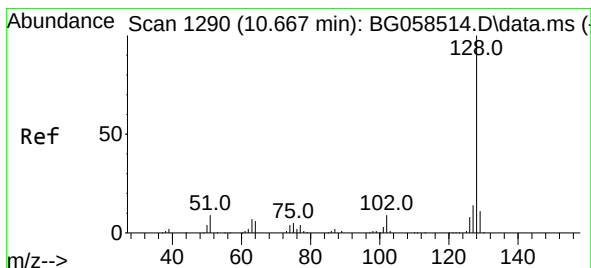
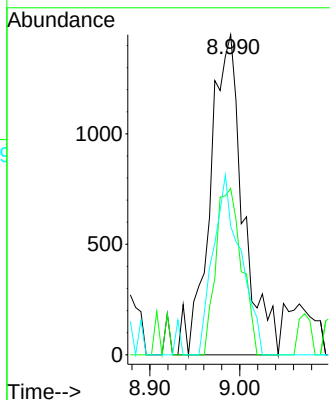
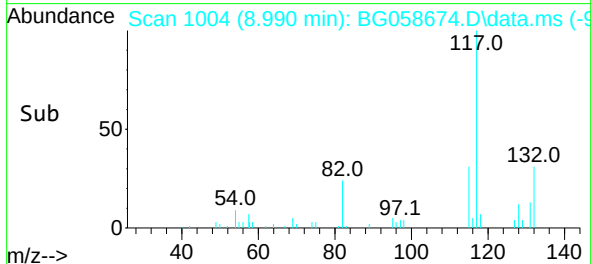


Tgt Ion: 82 Resp: 369
Ion Ratio Lower Upper
82 100
128 52.0 32.2 48.2
54 40.2 46.0 69.0

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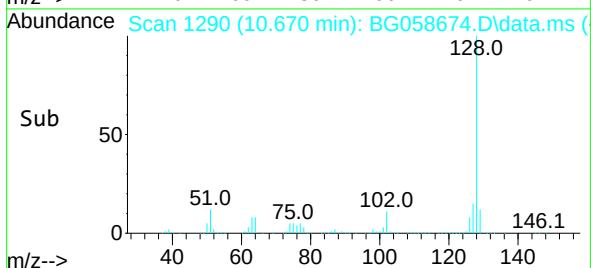
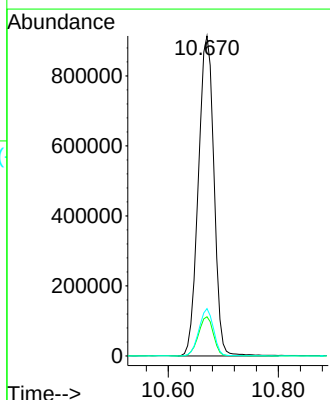
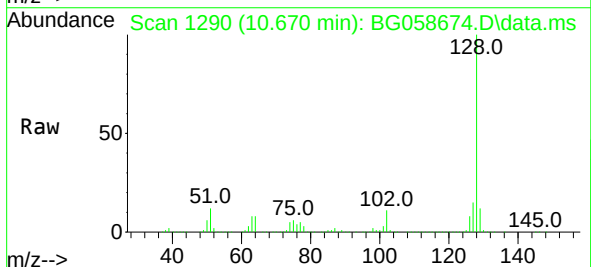
Reviewed By :Yogesh
Patel
08/11/2023

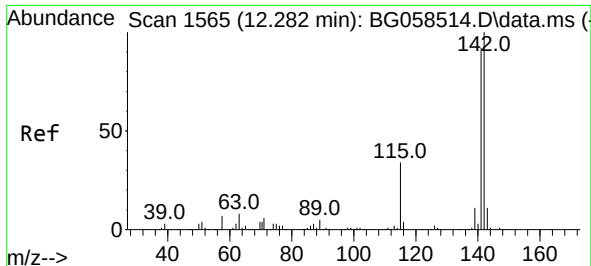
Supervised By :mohammad
ahmed
08/11/2023



#31
Naphthalene
Concen: 187.977 ng
RT: 10.670 min Scan# 1290
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

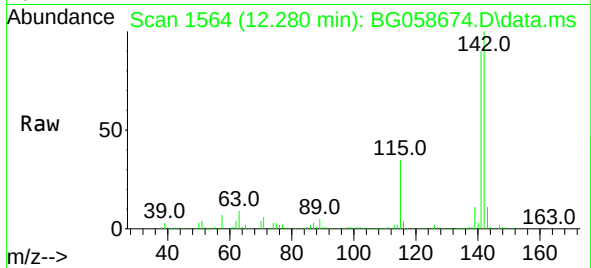
Tgt Ion:128 Resp: 1795301
Ion Ratio Lower Upper
128 100
129 12.3 8.8 13.2
127 14.8 10.9 16.3





#37
2-Methylnaphthalene
Concen: 74.382 ng
RT: 12.280 min Scan# 1564
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
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ClientSampleId :
NEVINS-SB-01-Z30-32

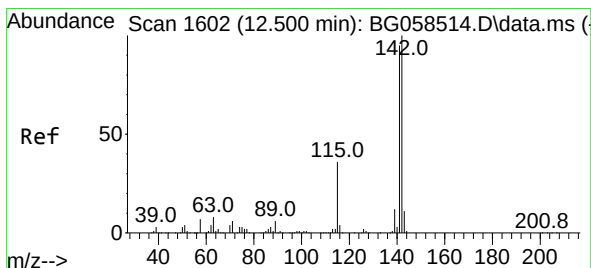
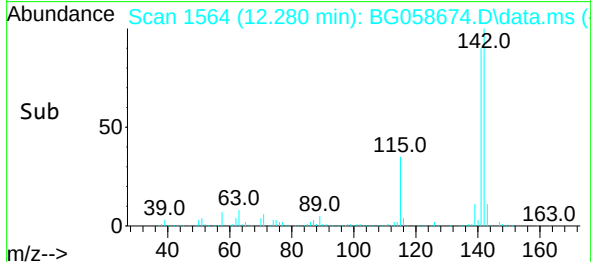
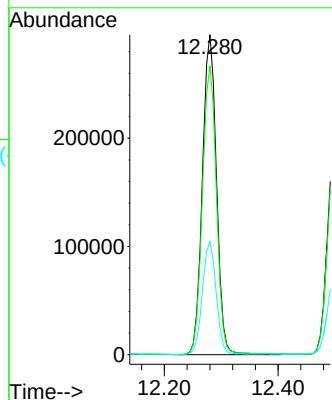


Tgt Ion:142 Resp: 508160
Ion Ratio Lower Upper
142 100
141 90.3 73.5 110.3
115 35.4 27.4 41.0

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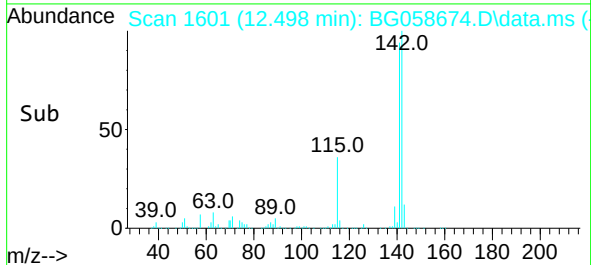
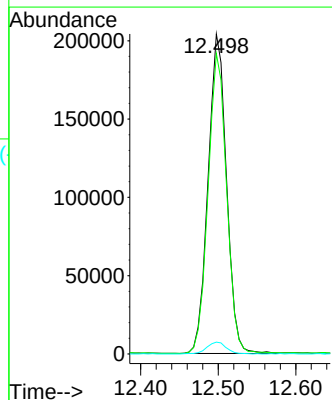
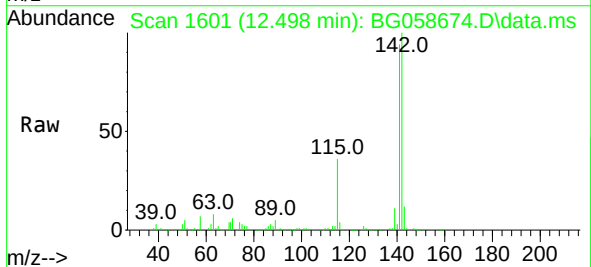
Reviewed By :Yogesh
Patel
08/11/2023

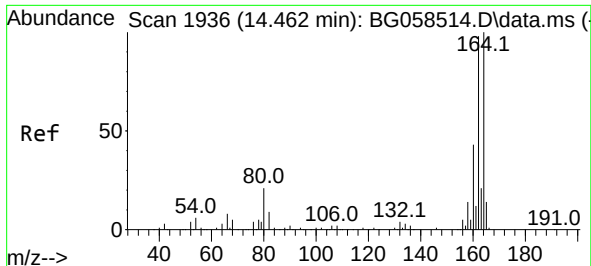
Supervised By :mohammad
ahmed
08/11/2023



#38
1-Methylnaphthalene
Concen: 51.940 ng
RT: 12.498 min Scan# 1601
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

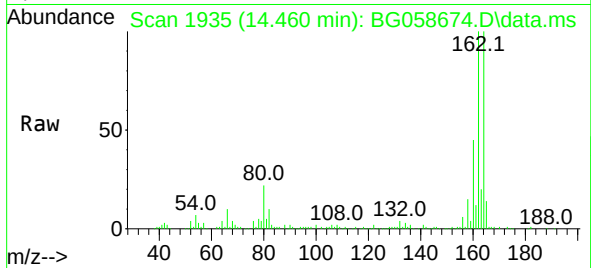
Tgt Ion:142 Resp: 337307
Ion Ratio Lower Upper
142 100
141 93.8 75.7 113.5
116 3.7 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.460 min Scan# 1936
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

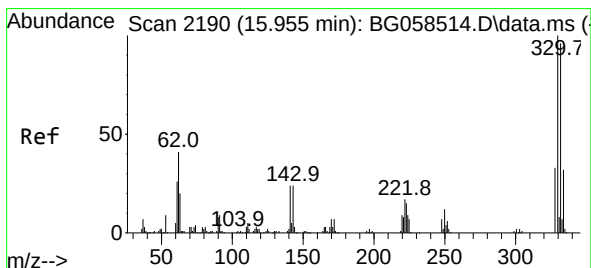
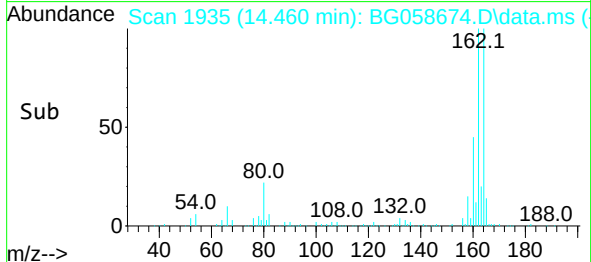
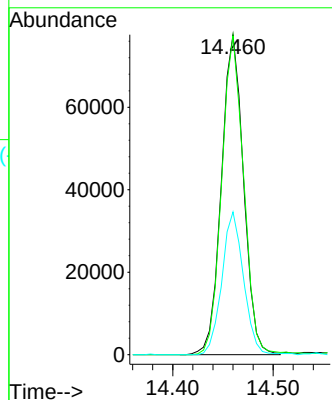


Tgt Ion:164 Resp: 118654
Ion Ratio Lower Upper
164 100
162 99.6 78.3 117.5
160 44.6 34.1 51.1

Manual Integrations
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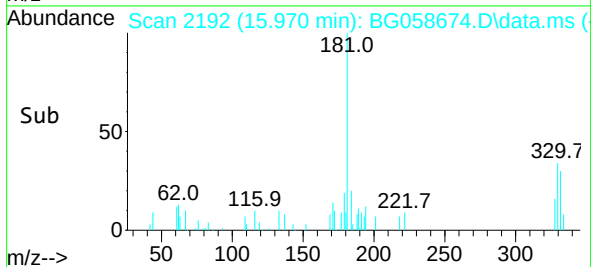
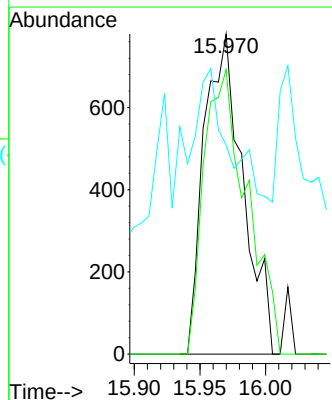
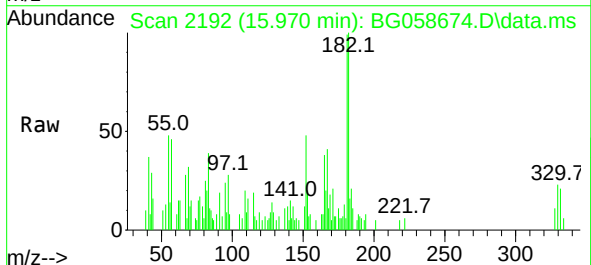
Reviewed By :Yogesh
Patel
08/11/2023

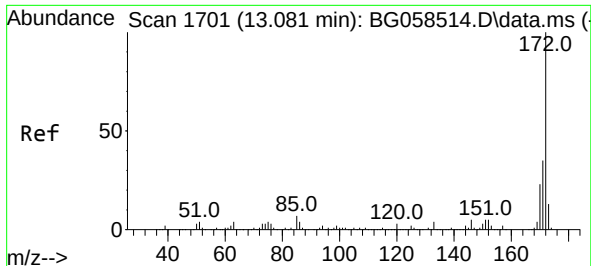
Supervised By :mohammad
ahmed
08/11/2023



#42
2,4,6-Tribromophenol
Concen: 0.821 ng
RT: 15.970 min Scan# 2192
Delta R.T. 0.015 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

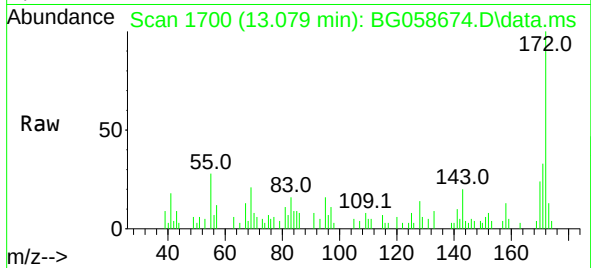
Tgt Ion:330 Resp: 1596
Ion Ratio Lower Upper
330 100
332 98.3 77.5 116.3
141 30.5 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 1.123 ng
RT: 13.079 min Scan# 1700
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
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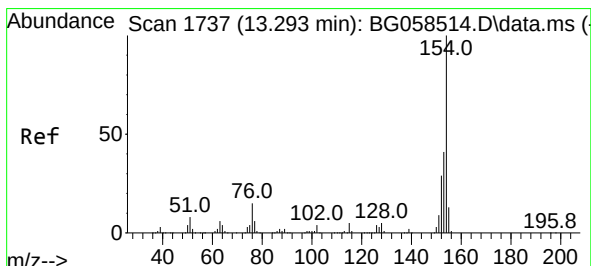
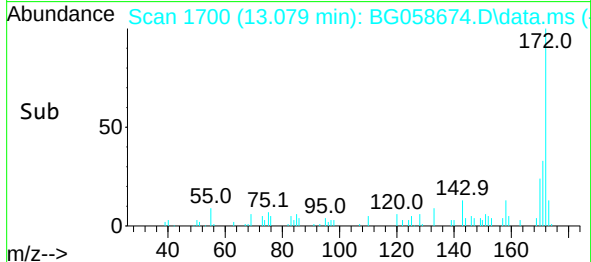
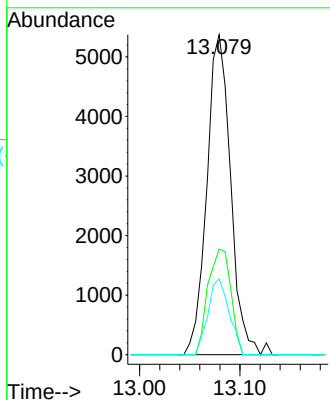


Tgt Ion:172 Resp: 889
Ion Ratio Lower Upper
172 100
171 33.0 28.0 42.0
170 23.7 18.4 27.6

Manual Integrations
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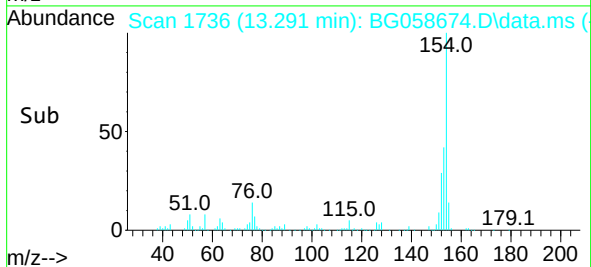
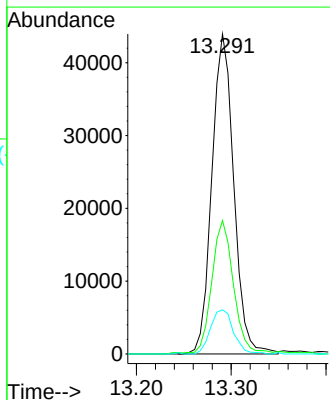
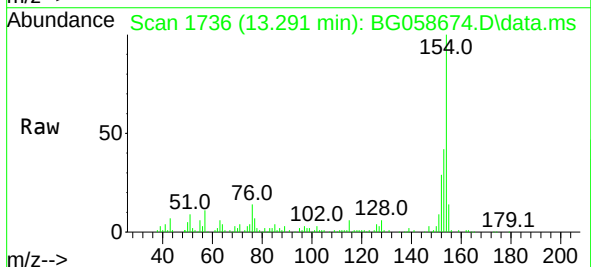
Reviewed By :Yogesh
Patel
08/11/2023

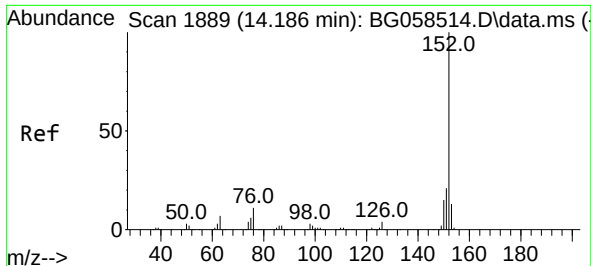
Supervised By :mohammad
ahmed
08/11/2023



#46
1,1'-Biphenyl
Concen: 8.650 ng
RT: 13.291 min Scan# 1736
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

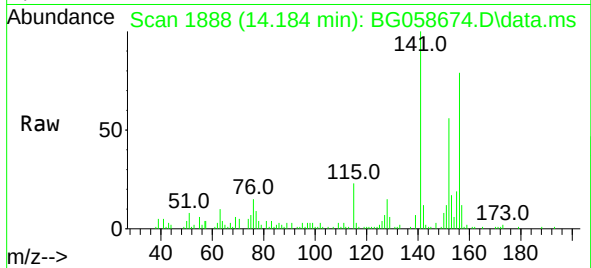
Tgt Ion:154 Resp: 70486
Ion Ratio Lower Upper
154 100
153 41.7 21.2 61.2
76 13.8 0.0 34.7





#49
Acenaphthylene
Concen: 2.927 ng
RT: 14.184 min Scan# 1889
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

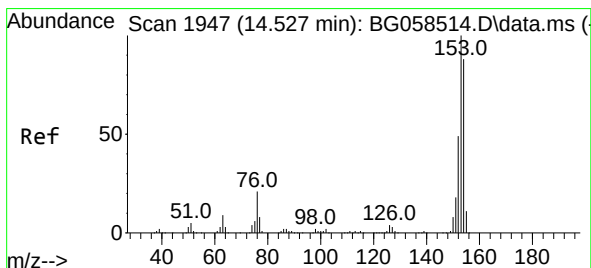
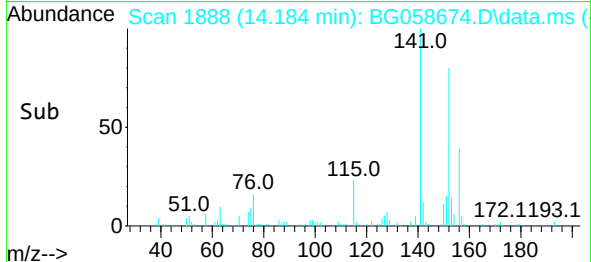
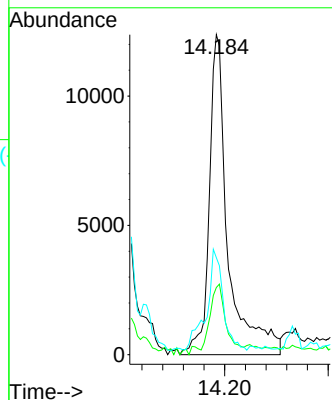


Tgt Ion:152 Resp: 31140
Ion Ratio Lower Upper
152 100
151 21.0 16.5 24.7
153 30.3 10.7 16.1

Manual Integrations
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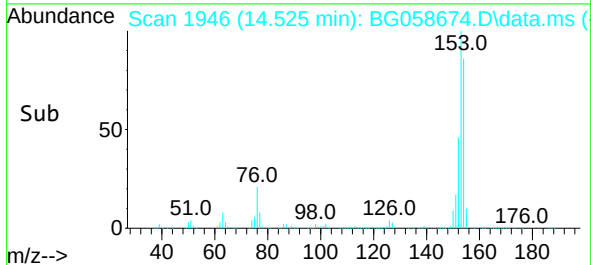
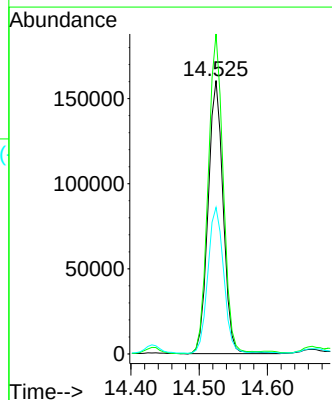
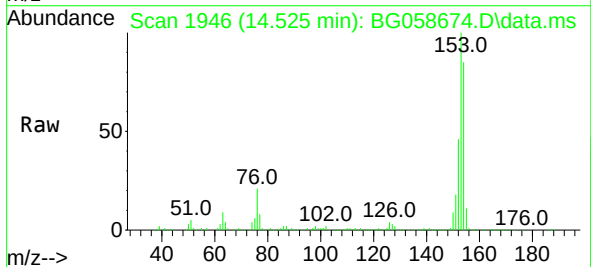
Reviewed By :Yogesh
Patel
08/11/2023

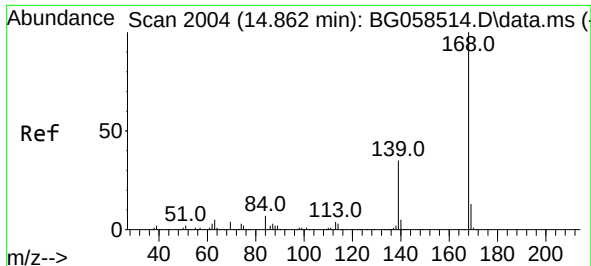
Supervised By :mohammad
ahmed
08/11/2023



#52
Acenaphthene
Concen: 40.121 ng
RT: 14.525 min Scan# 1946
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

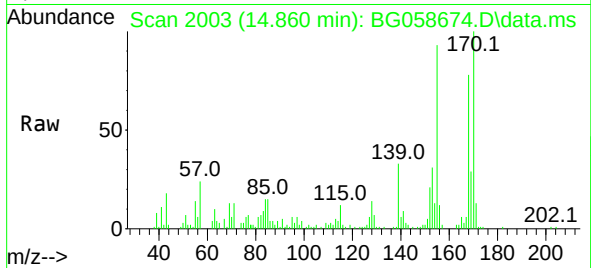
Tgt Ion:154 Resp: 246600
Ion Ratio Lower Upper
154 100
153 117.1 91.1 136.7
152 53.6 44.6 66.8





#55
Dibenzenofuran
Concen: 2.085 ng
RT: 14.860 min Scan# 2004
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

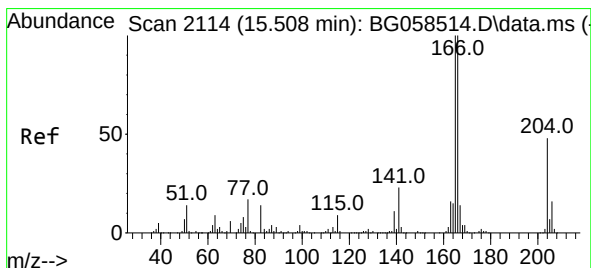
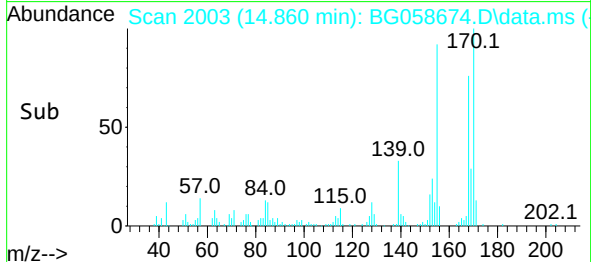
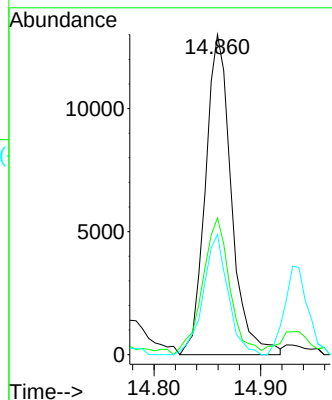


Tgt Ion:168 Resp: 22018
Ion Ratio Lower Upper
168 100
139 42.8 27.8 41.8
169 37.6 10.6 16.0

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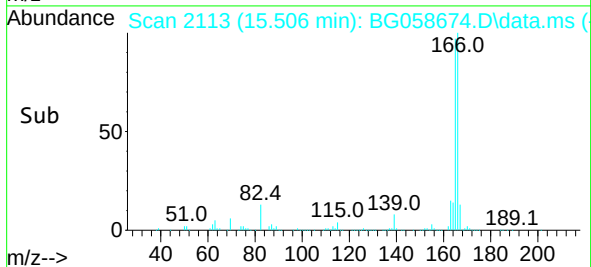
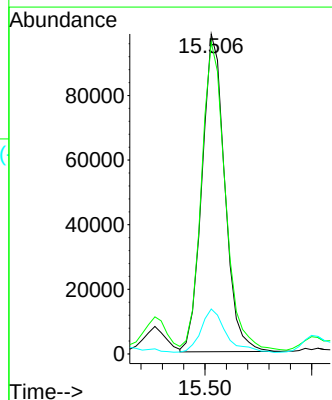
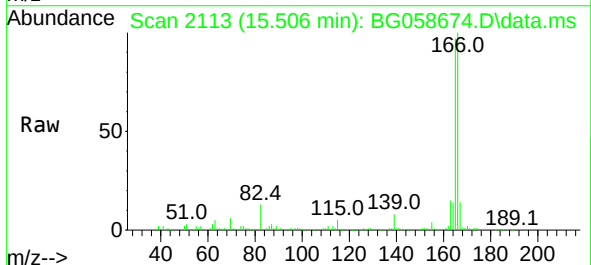
Reviewed By :Yogesh
Patel
08/11/2023

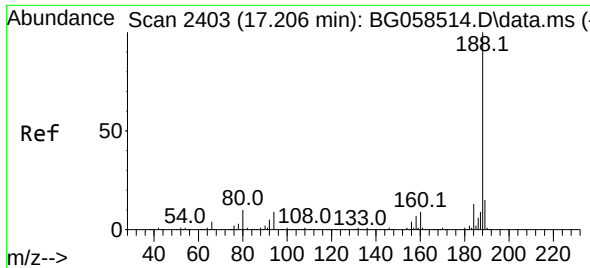
Supervised By :mohammad
ahmed
08/11/2023



#58
Fluorene
Concen: 17.417 ng
RT: 15.506 min Scan# 2113
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

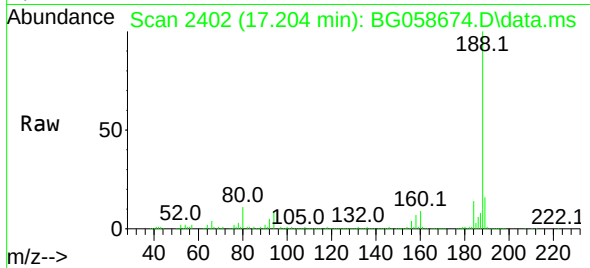
Tgt Ion:166 Resp: 146134
Ion Ratio Lower Upper
166 100
165 97.5 80.0 120.0
167 14.1 11.3 16.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2403
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

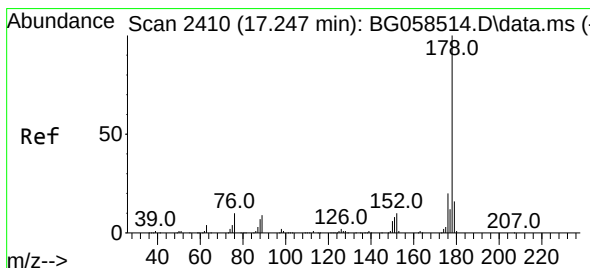
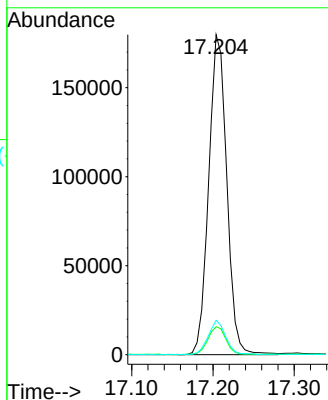
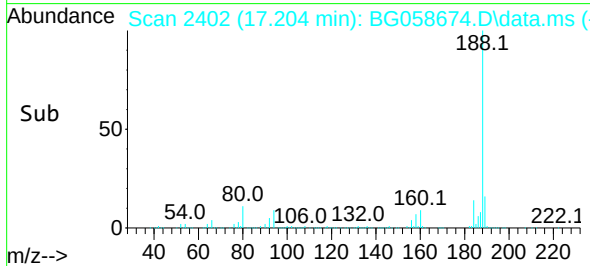


Tgt Ion:188 Resp: 277659
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 10.7 8.1 12.1

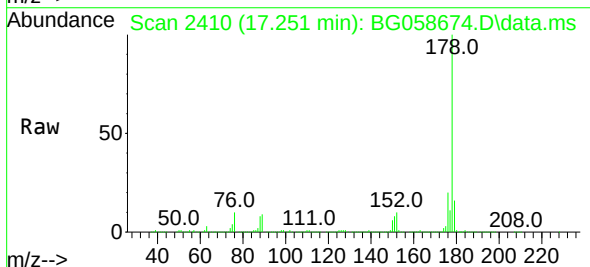
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
08/11/2023

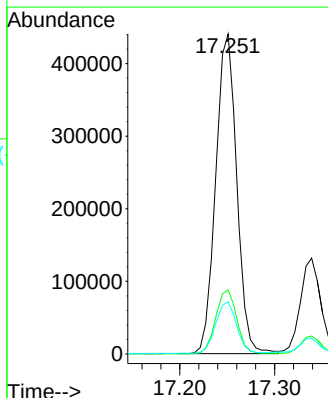
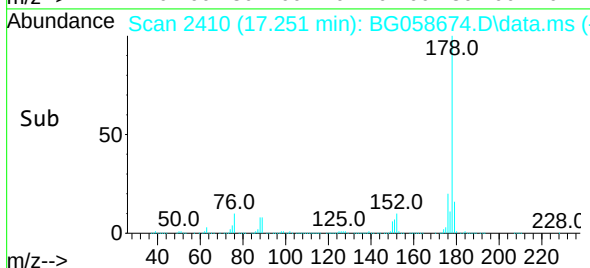
Supervised By :mohammad
ahmed
08/11/2023

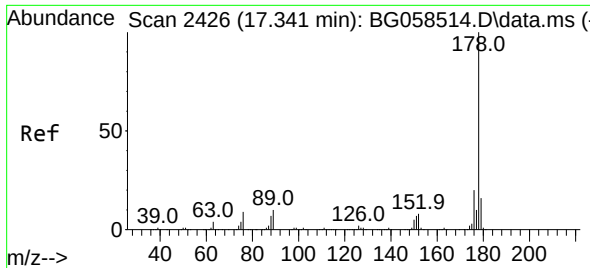


#71
Phenanthrene
Concen: 51.566 ng
RT: 17.251 min Scan# 2410
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24



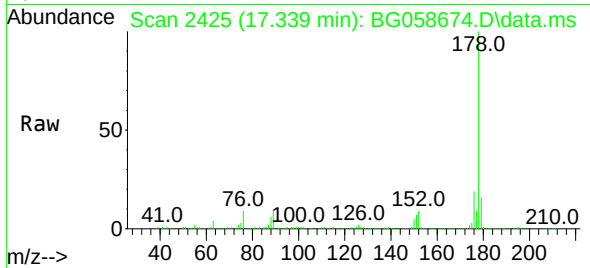
Tgt Ion:178 Resp: 679015
Ion Ratio Lower Upper
178 100
176 20.0 16.3 24.5
179 16.3 13.1 19.7





#72
 Anthracene
 Concen: 13.905 ng
 RT: 17.339 min Scan# 2426
 Delta R.T. -0.002 min
 Lab File: BG058674.D
 Acq: 10 Aug 2023 11:24

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB-01-Z30-32

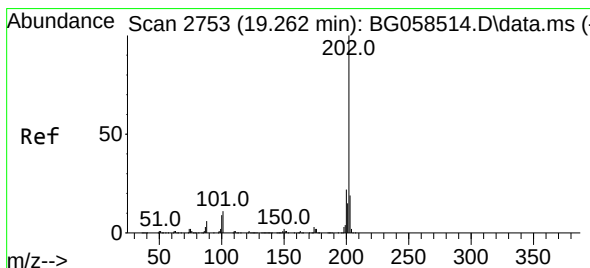
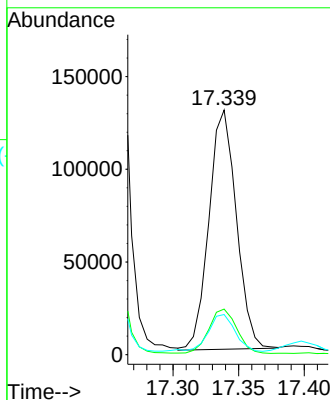
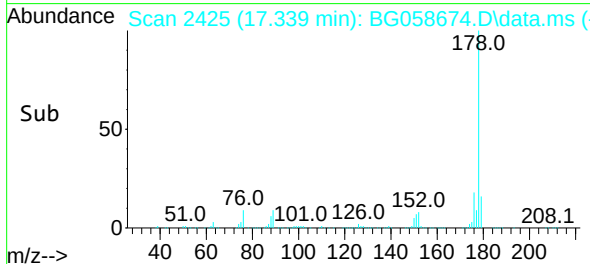


Tgt Ion:178 Resp: 187870
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.0 24.0
 179 16.4 12.9 19.3

Manual Integrations
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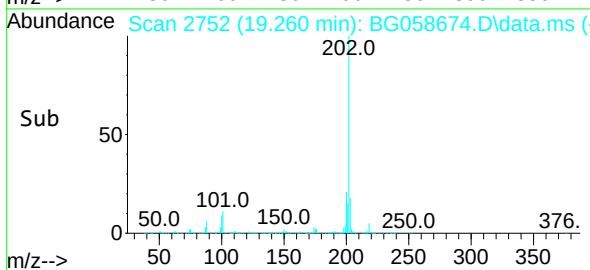
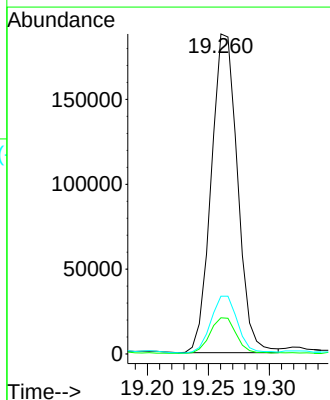
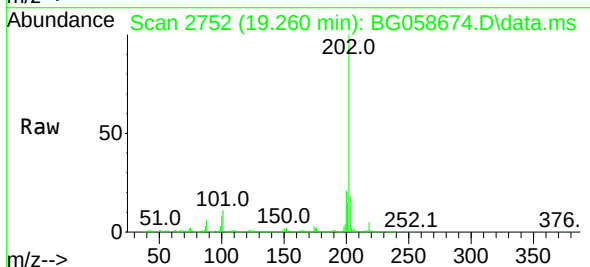
Reviewed By :Yogesh
 Patel
 08/11/2023

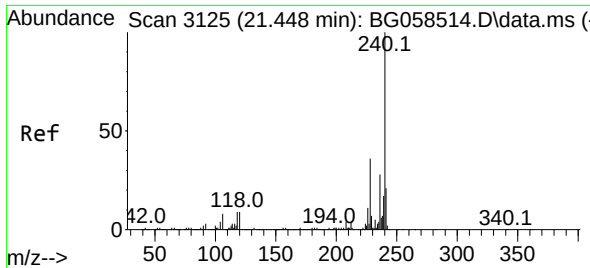
Supervised By :mohammad
 ahmed
 08/11/2023



#75
 Fluoranthene
 Concen: 17.834 ng
 RT: 19.260 min Scan# 2752
 Delta R.T. -0.002 min
 Lab File: BG058674.D
 Acq: 10 Aug 2023 11:24

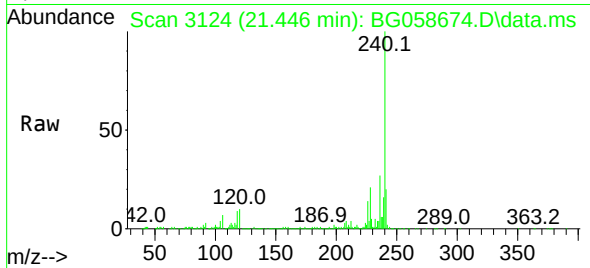
Tgt Ion:202 Resp: 282090
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.4
 203 18.1 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.446 min Scan# 3125
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

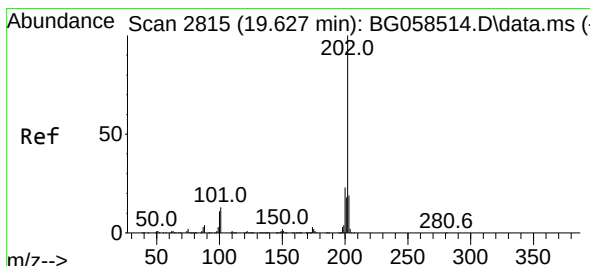
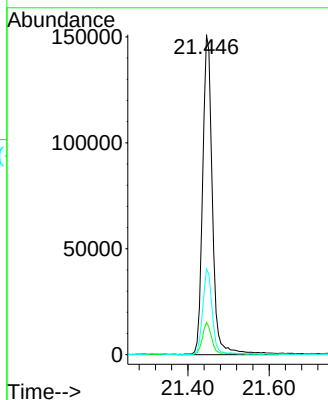
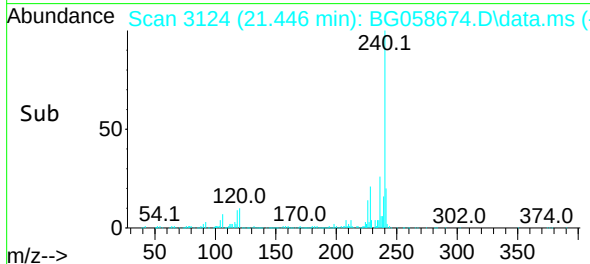


Tgt Ion:240 Resp: 25236
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.0
236 26.8 22.2 33.4

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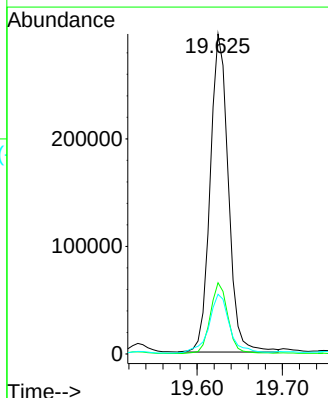
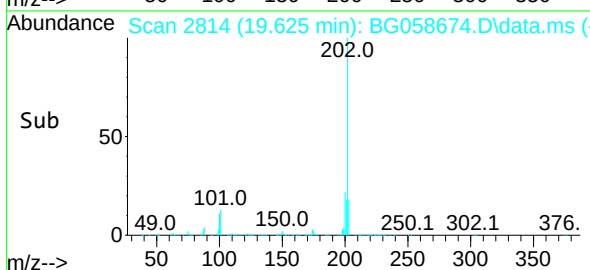
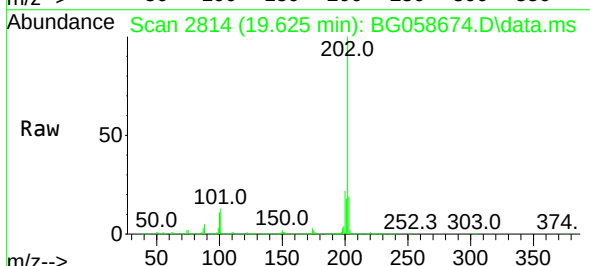
Reviewed By :Yogesh
Patel
08/11/2023

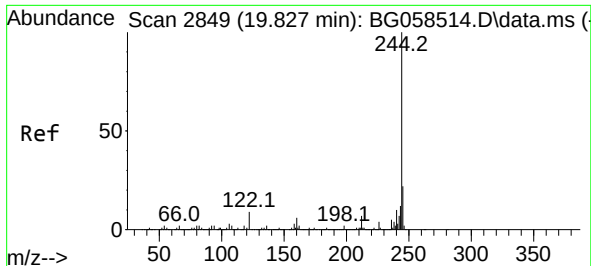
Supervised By :mohammad
ahmed
08/11/2023



#78
Pyrene
Concen: 25.452 ng
RT: 19.625 min Scan# 2814
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

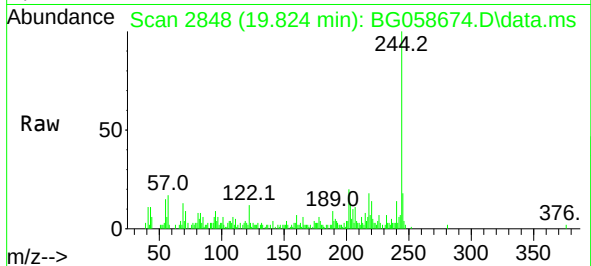
Tgt Ion:202 Resp: 437132
Ion Ratio Lower Upper
202 100
200 22.3 18.2 27.2
203 18.7 15.1 22.7





#79
 Terphenyl-d14
 Concen: 1.204 ng
 RT: 19.824 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG058674.D
 Acq: 10 Aug 2023 11:24

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB-01-Z30-32

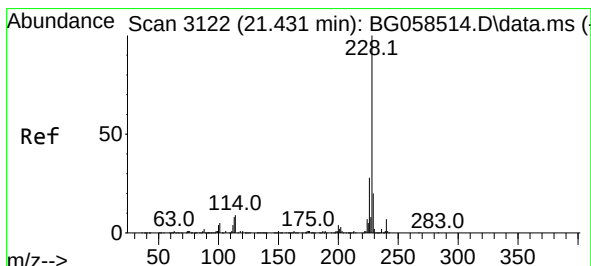
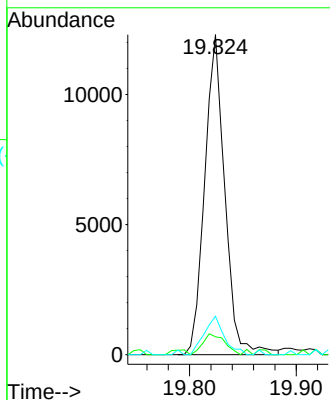


Tgt Ion:244 Resp: 1615
 Ion Ratio Lower Upper
 244 100
 212 5.6 5.9 8.9
 122 12.0 6.8 10.2

Manual Integrations
 APPROVED

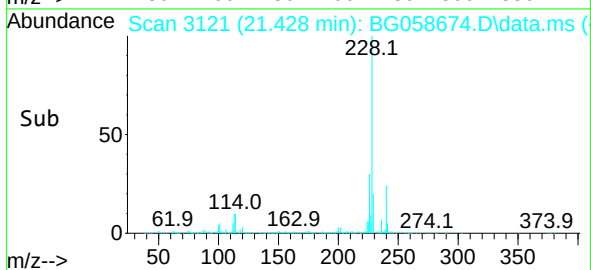
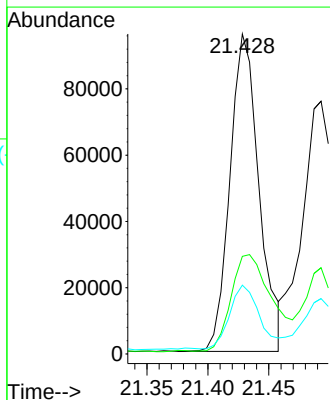
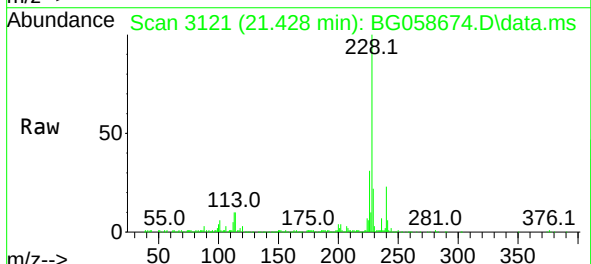
Reviewed By :Yogesh
 Patel
 08/11/2023

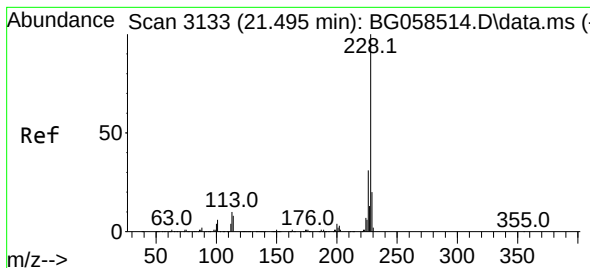
Supervised By :mohammad
 ahmed
 08/11/2023



#81
 Benzo(a)anthracene
 Concen: 9.173 ng
 RT: 21.428 min Scan# 3121
 Delta R.T. -0.002 min
 Lab File: BG058674.D
 Acq: 10 Aug 2023 11:24

Tgt Ion:228 Resp: 159321
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 21.5 16.3 24.5





#83

Chrysene

Concen: 8.395 ng

RT: 21.493 min Scan# 3133

Delta R.T. -0.002 min

Lab File: BG058674.D

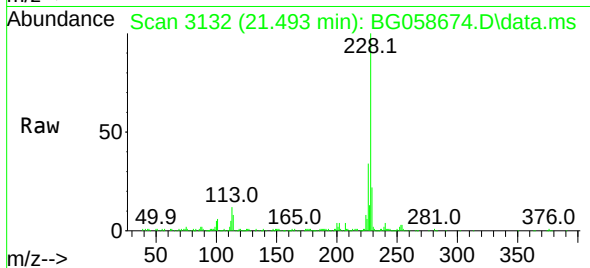
Acq: 10 Aug 2023 11:24

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB-01-Z30-32



Tgt Ion:228 Resp: 139789

Ion Ratio Lower Upper

228 100

226 34.1 25.0 37.6

229 21.9 16.3 24.5

Manual Integrations

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Reviewed By :Yogesh

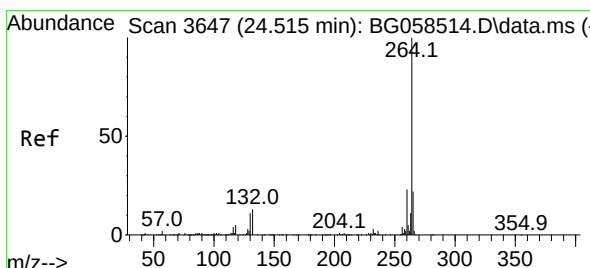
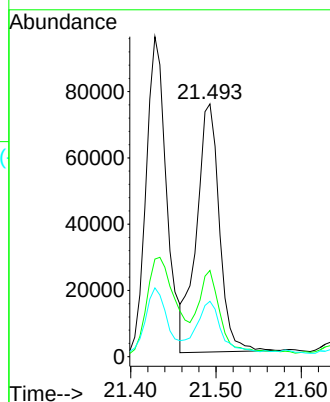
Patel

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ahmed

08/11/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.525 min Scan# 3648

Delta R.T. 0.010 min

Lab File: BG058674.D

Acq: 10 Aug 2023 11:24

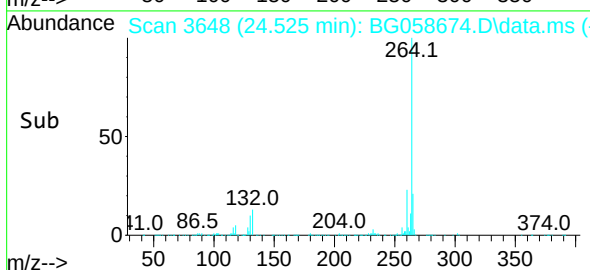
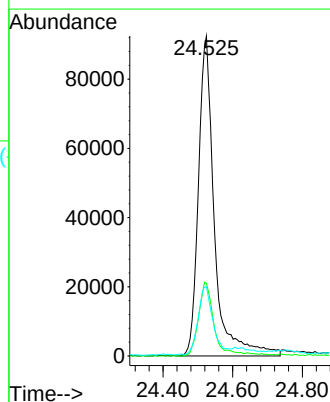
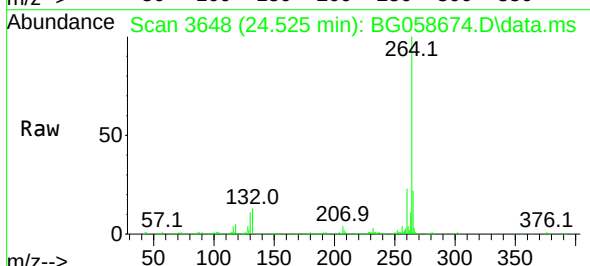
Tgt Ion:264 Resp: 295023

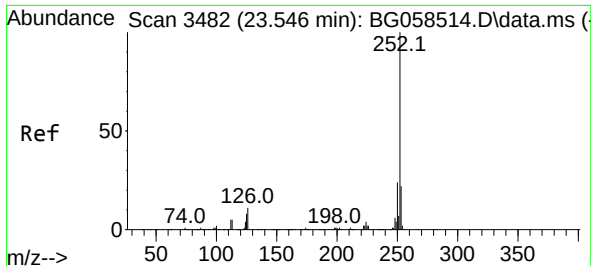
Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

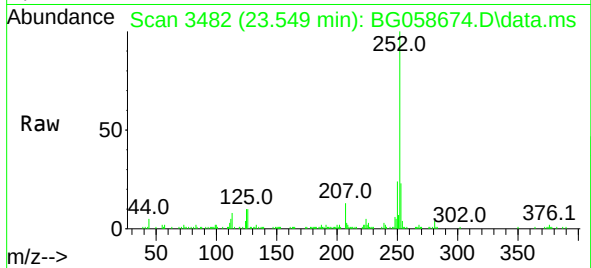
265 21.6 17.9 26.9





#88
Benzo(b)fluoranthene
Concen: 6.278 ng m
RT: 23.549 min Scan# 3482
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

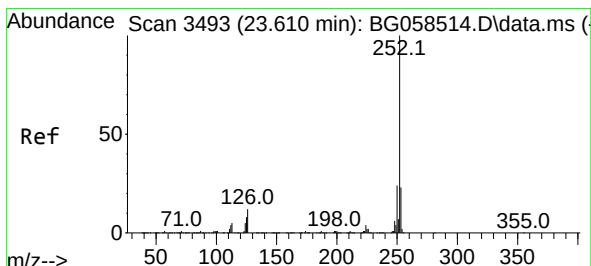
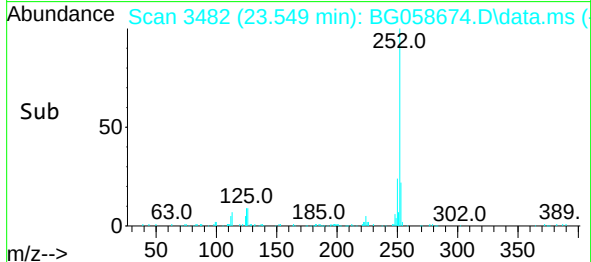
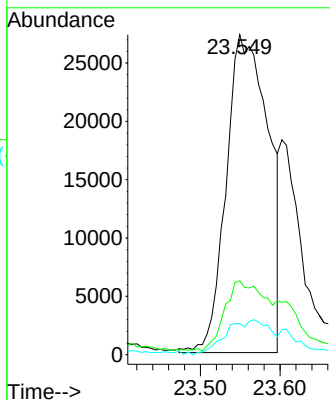


Tgt Ion:252 Resp: 100458
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 9.7 6.6 9.8

Manual Integrations
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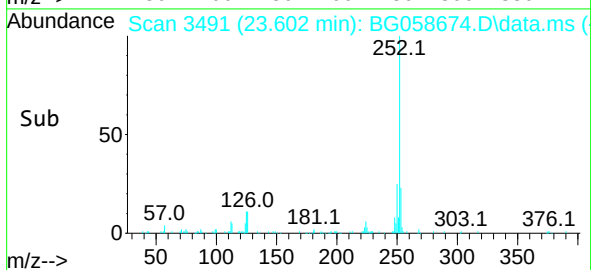
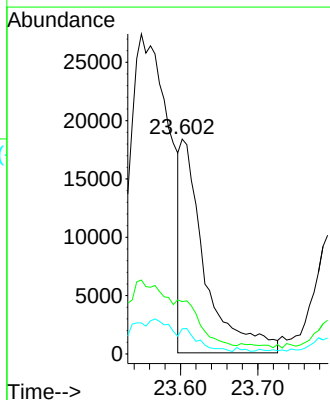
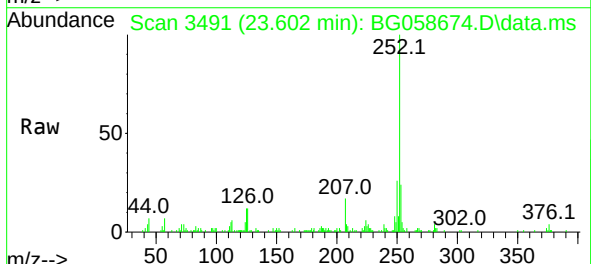
Reviewed By :Yogesh
Patel
08/11/2023

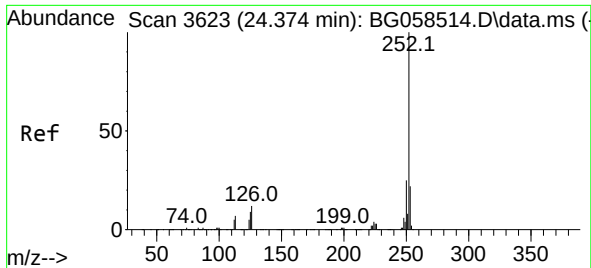
Supervised By :mohammad
ahmed
08/11/2023



#89
Benzo(k)fluoranthene
Concen: 2.497 ng m
RT: 23.602 min Scan# 3491
Delta R.T. -0.008 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

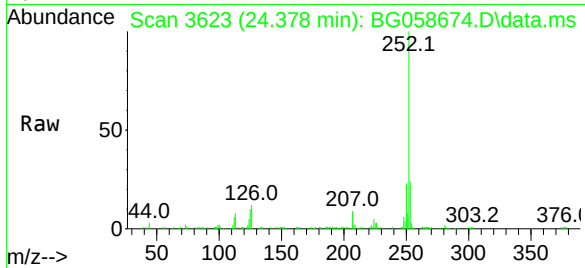
Tgt Ion:252 Resp: 40133
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 11.7 6.6 10.0#





#90
Benzo(a)pyrene
Concen: 7.712 ng
RT: 24.378 min Scan# 30
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

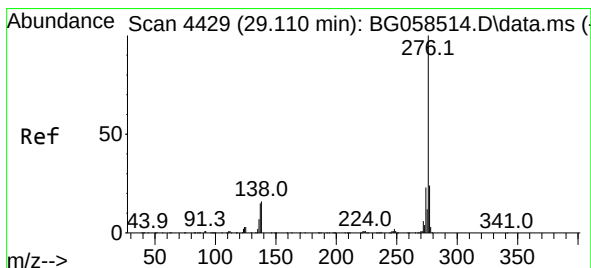
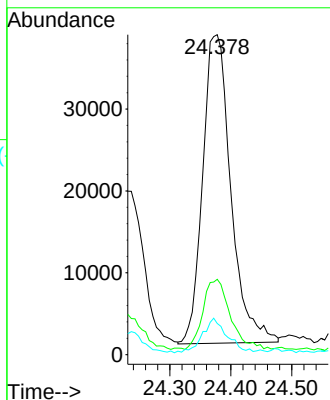
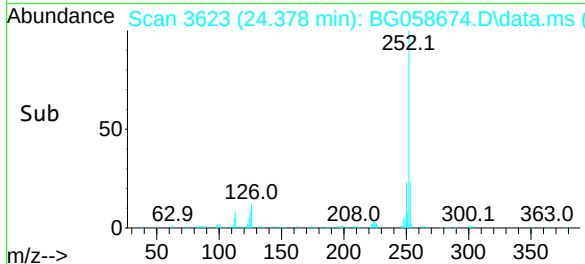


Tgt Ion:252 Resp: 121189
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.8 7.4 11.2

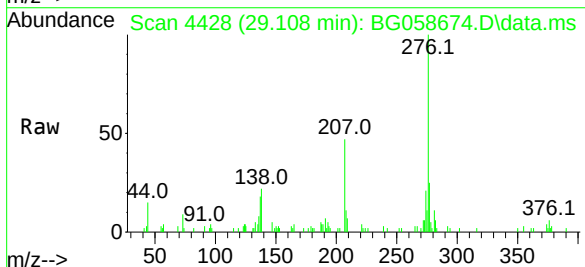
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
08/11/2023

Supervised By :mohammad
ahmed
08/11/2023



#92
Benzo(g,h,i)perylene
Concen: 2.703 ng
RT: 29.108 min Scan# 4428
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24



Tgt Ion:276 Resp: 43981
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 21.6 13.0 19.4#

