

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058718.D
 Acq On : 14 Aug 2023 11:50
 Operator : MA/JU
 Sample : 03958-07DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z10-12DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023

Quant Time: Aug 14 12:39:32 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	37751	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	168161	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	121470	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	293035	20.000	ng	0.00
76) Chrysene-d12	21.445	240	256479	20.000	ng	0.00
86) Perylene-d12	24.518	264	294898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	21979	8.899	ng	0.00
7) Phenol-d6	6.985	99	31242	9.090	ng	0.00
23) Nitrobenzene-d5	8.977	82	17847	5.214	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	13041	6.550	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	48595	5.995	ng	0.00
79) Terphenyl-d14	19.823	244	91899	6.738	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.663	128	1127320	127.193	ng	100
37) 2-Methylnaphthalene	12.279	142	380400	60.001	ng	99
38) 1-Methylnaphthalene	12.497	142	238523	39.579	ng	98
46) 1,1'-Biphenyl	13.290	154	56034	6.717	ng	98
49) Acenaphthylene	14.183	152	24162	2.219	ng	# 83
52) Acenaphthene	14.524	154	202814	32.232	ng	99
58) Fluorene	15.505	166	123911	14.426	ng	98
71) Phenanthrene	17.250	178	622689	44.807	ng	99
72) Anthracene	17.338	178	166475	11.675	ng	99
75) Fluoranthene	19.259	202	271685	16.275	ng	100
78) Pyrene	19.624	202	418850	23.996	ng	99
81) Benzo(a)anthracene	21.427	228	157989	8.951	ng	99
83) Chrysene	21.486	228	138774	8.200	ng	99
87) Indeno(1,2,3-cd)pyrene	28.014	276	39266m	2.001	ng	
88) Benzo(b)fluoranthene	23.554	252	96025	6.004	ng	96
89) Benzo(k)fluoranthene	23.607	252	34022m	2.117	ng	
90) Benzo(a)pyrene	24.377	252	108840	6.929	ng	97
92) Benzo(g,h,i)perylene	29.112	276	44351m	2.727	ng	

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

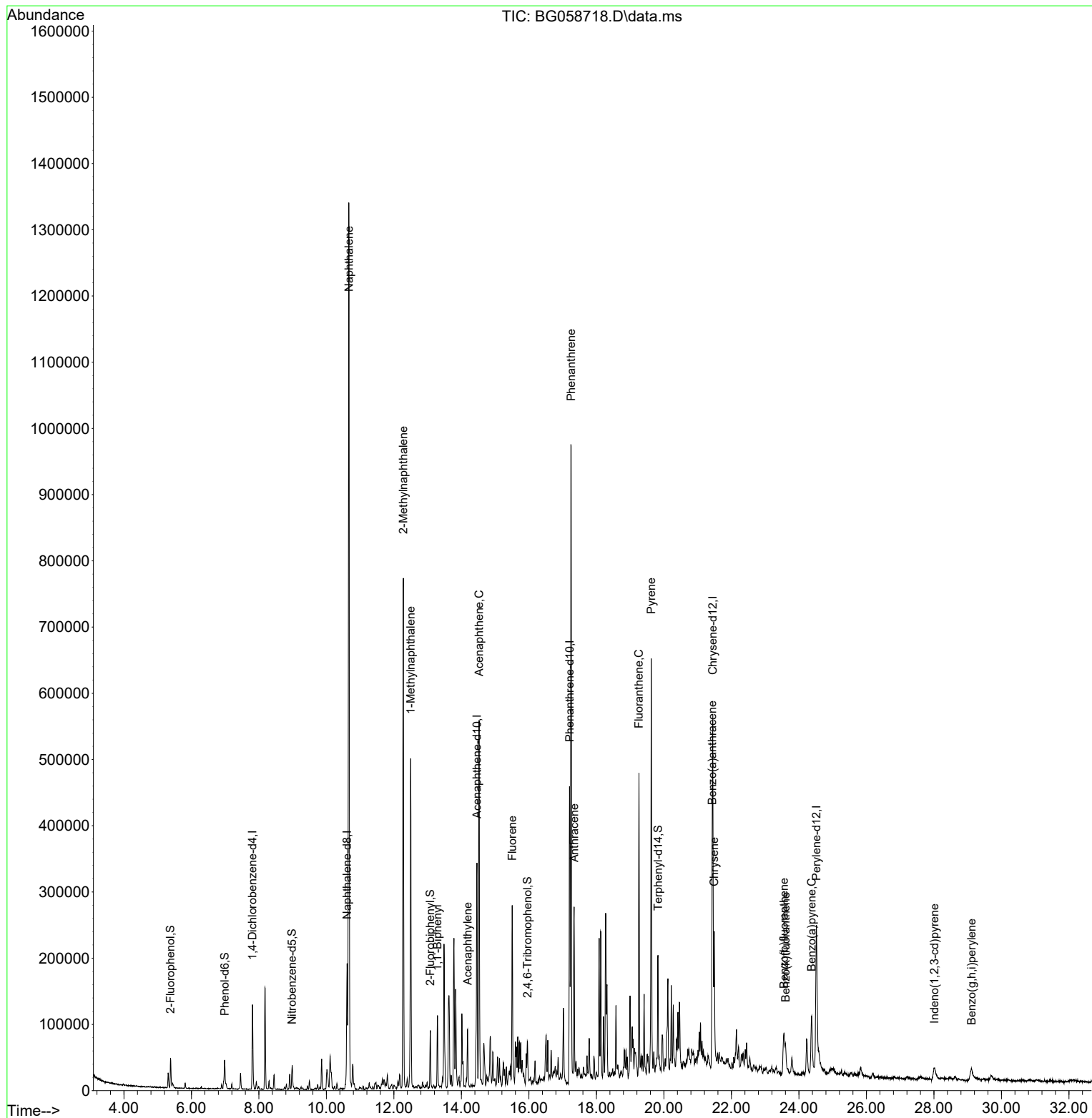
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
Data File : BG058718.D
Acq On : 14 Aug 2023 11:50
Operator : MA/JU
Sample : 03958-07DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

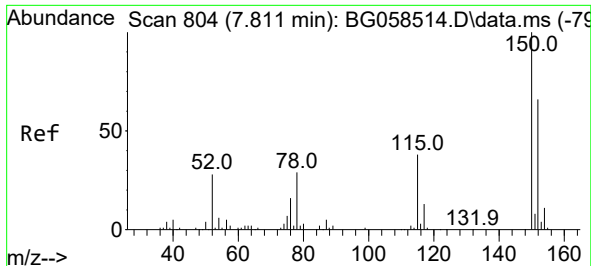
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL

Quant Time: Aug 14 12:39:32 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

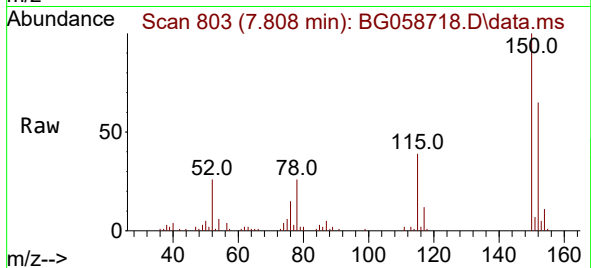
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

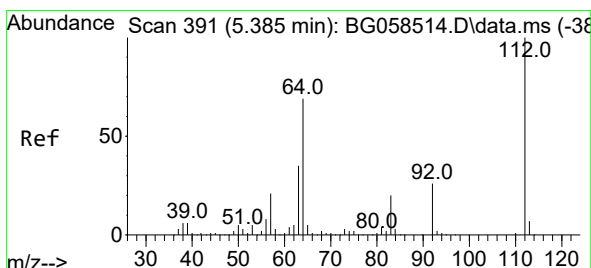
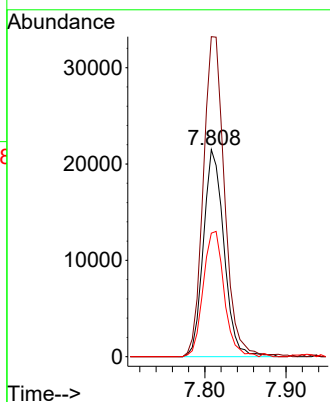
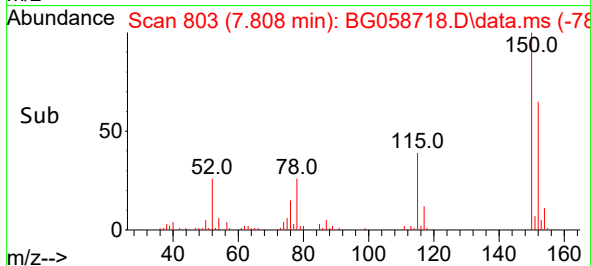
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



Tgt Ion:152 Resp: 3775
Ion Ratio Lower Upper
152 100
150 154.5 120.5 180.7
115 59.6 45.9 68.9

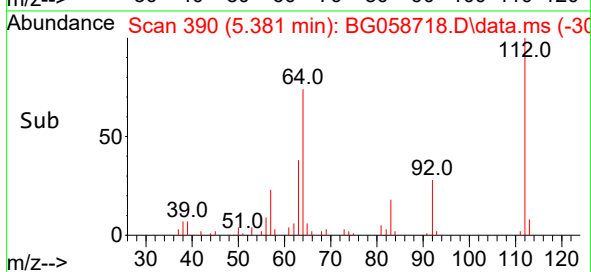
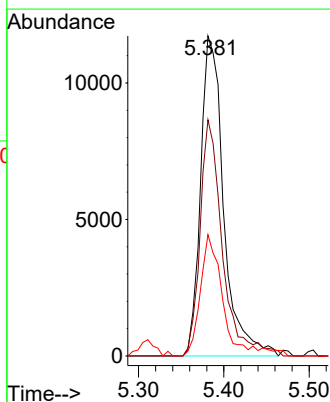
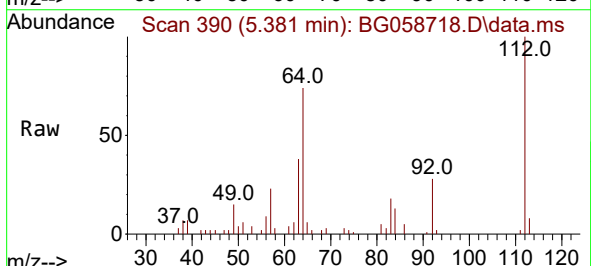
Manual Integrations
APPROVED

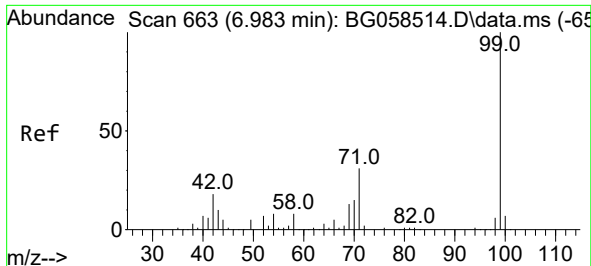
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#5
2-Fluorophenol
Concen: 8.899 ng
RT: 5.381 min Scan# 390
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

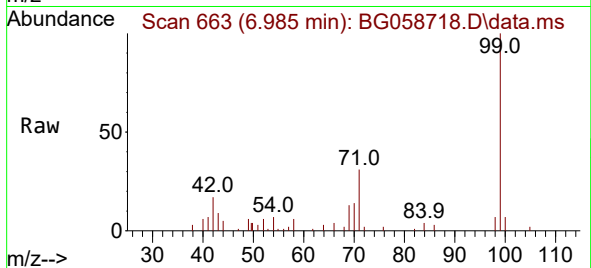
Tgt Ion:112 Resp: 21979
Ion Ratio Lower Upper
112 100
64 73.8 55.3 82.9
63 37.9 28.3 42.5





#7
Phenol-d6
Concen: 9.090 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

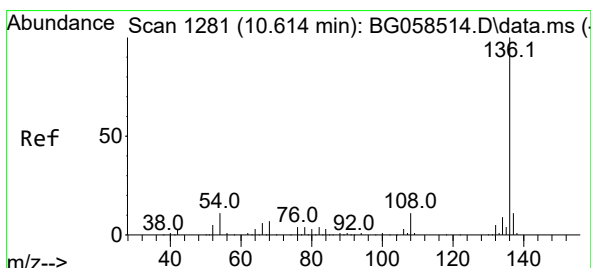
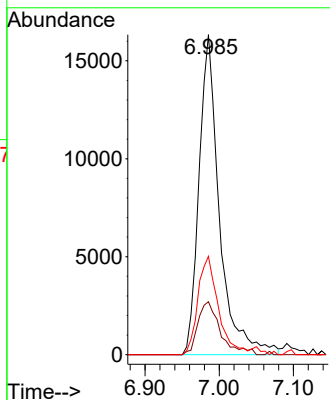
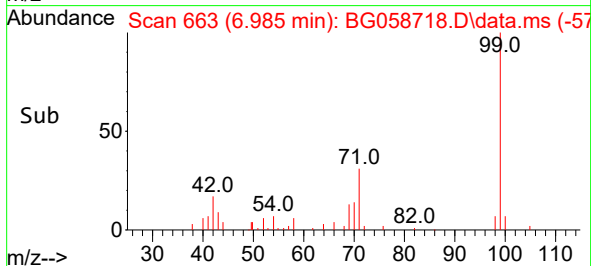
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



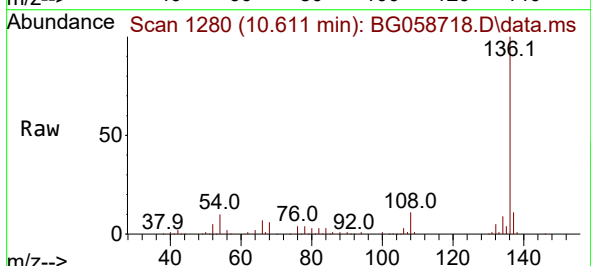
Tgt Ion: 99 Resp: 3124
Ion Ratio Lower Upper
99 100
42 16.5 14.6 21.8
71 30.7 25.0 37.4

Manual Integrations
APPROVED

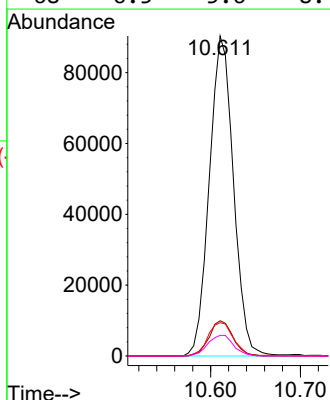
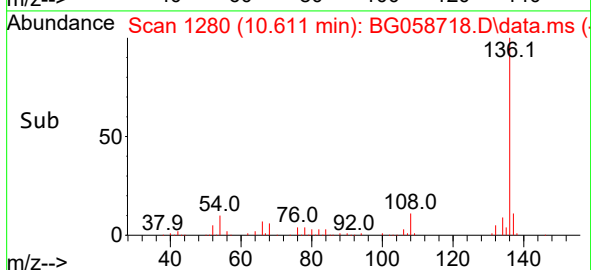
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

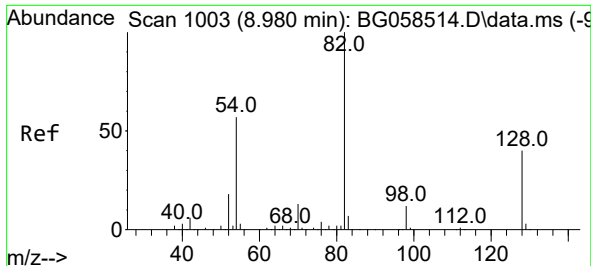


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50



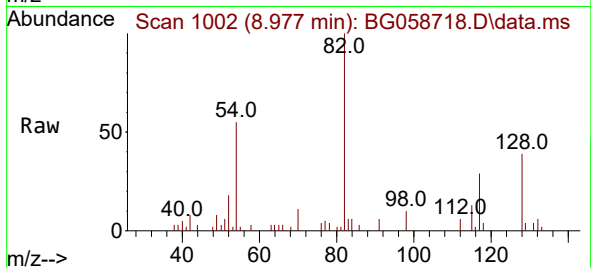
Tgt Ion:136 Resp: 168161
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.4 8.9 13.3
68 6.5 5.6 8.4





#23
Nitrobenzene-d5
Concen: 5.214 ng
RT: 8.977 min Scan# 1002
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

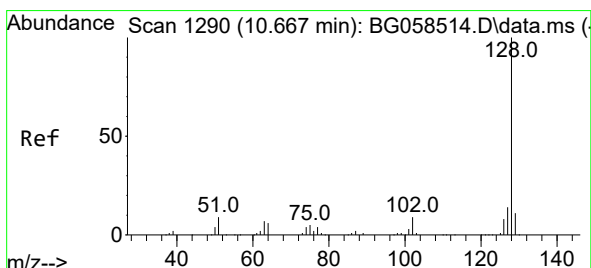
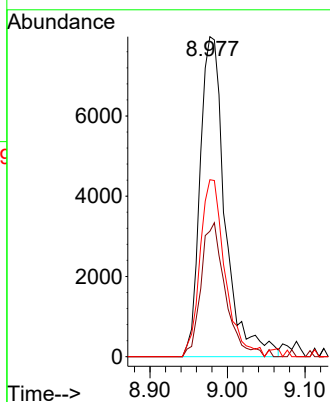
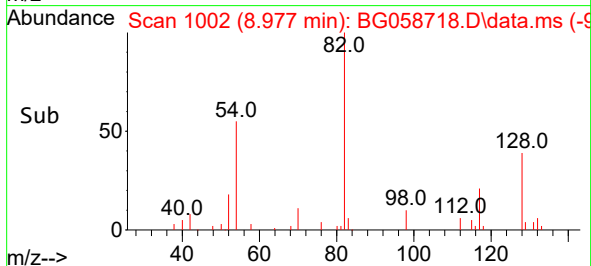
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



Tgt Ion: 82 Resp: 1784
Ion Ratio Lower Upper
82 100
128 39.2 32.2 48.2
54 55.3 46.0 69.0

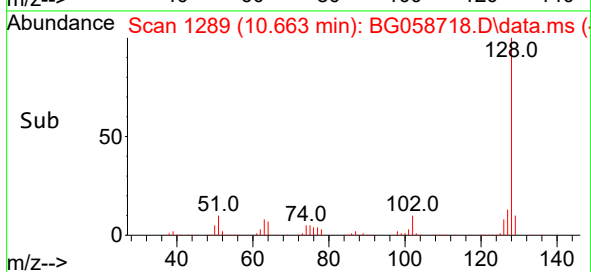
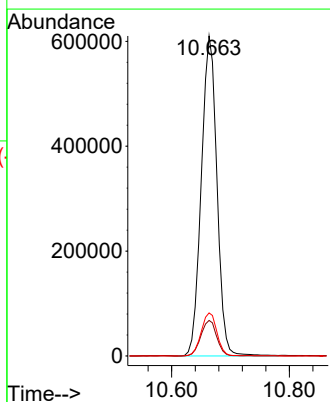
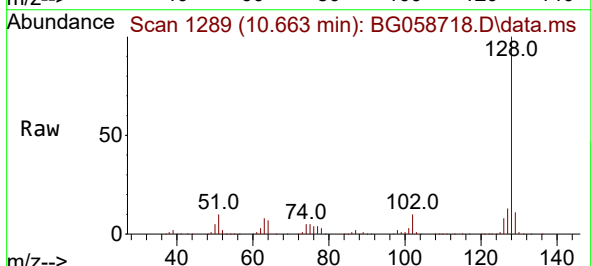
Manual Integrations
APPROVED

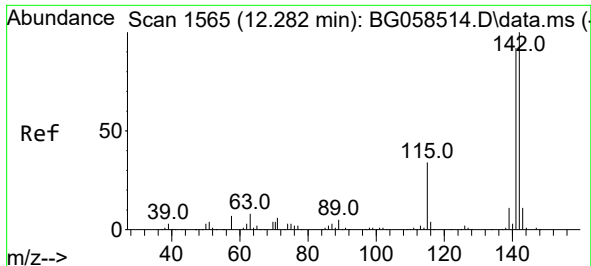
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#31
Naphthalene
Concen: 127.193 ng
RT: 10.663 min Scan# 1289
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:128 Resp: 1127320
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.4 10.9 16.3





#37

2-Methylnaphthalene

Concen: 60.001 ng

RT: 12.279 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG058718.D

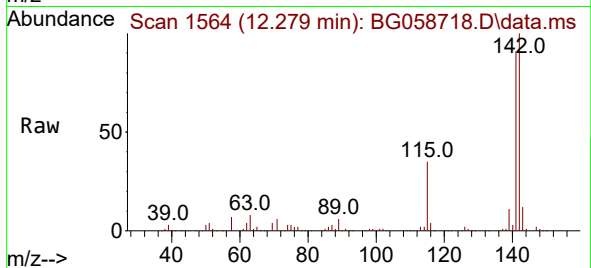
Acq: 14 Aug 2023 11:50

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL



Tgt Ion:142 Resp: 380400

Ion Ratio Lower Upper

142 100

141 90.7 73.5 110.3

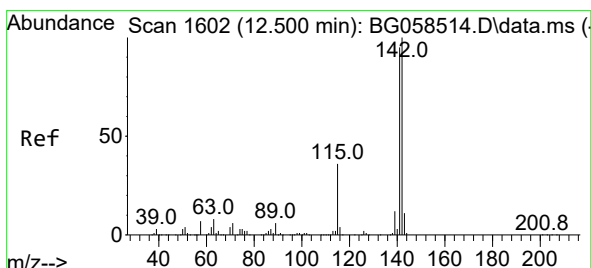
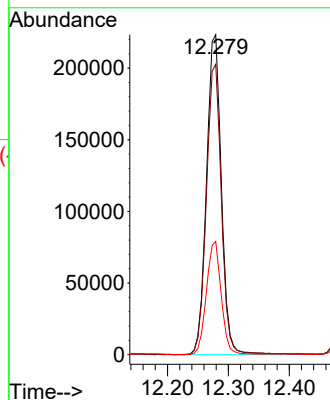
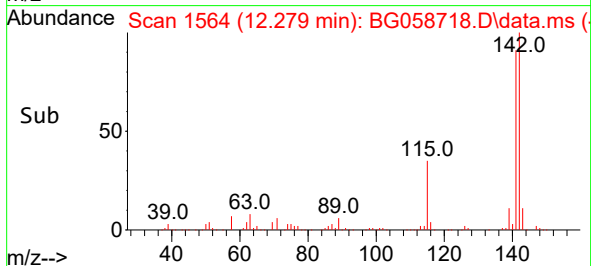
115 35.4 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#38

1-Methylnaphthalene

Concen: 39.579 ng

RT: 12.497 min Scan# 1601

Delta R.T. -0.003 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

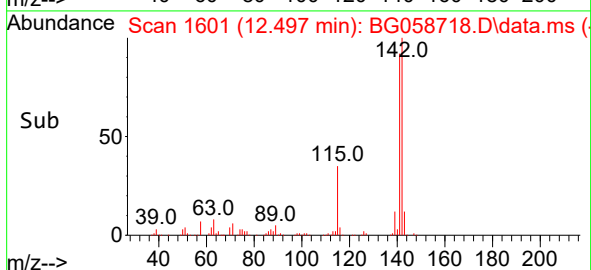
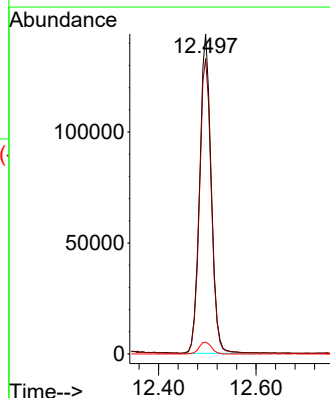
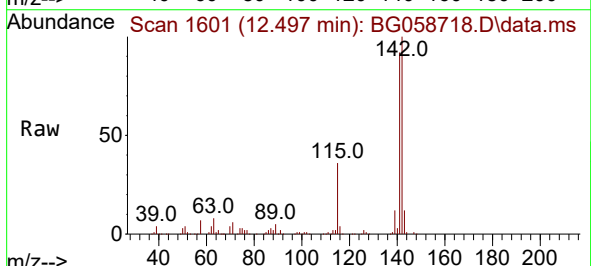
Tgt Ion:142 Resp: 238523

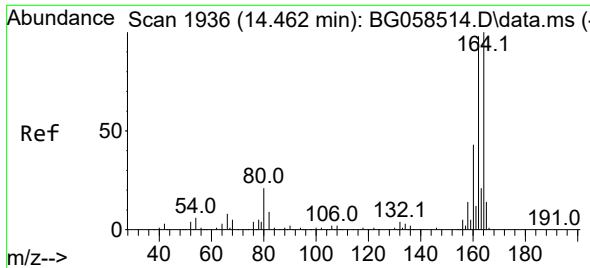
Ion Ratio Lower Upper

142 100

141 92.3 75.7 113.5

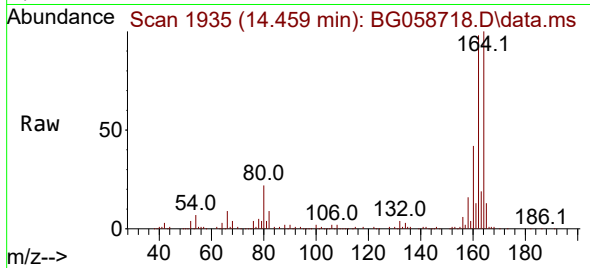
116 3.7 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

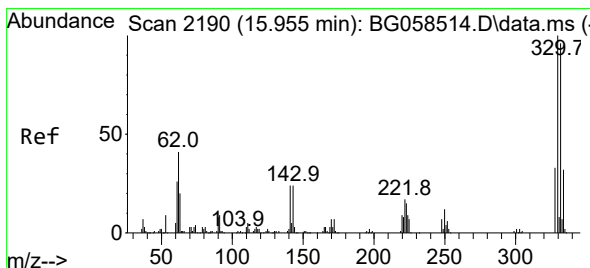
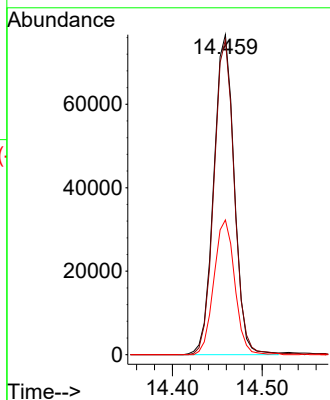
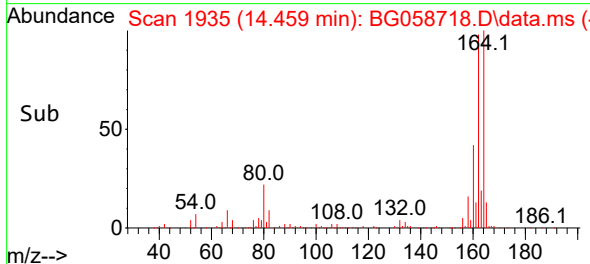
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



Tgt Ion:164 Resp: 121470
Ion Ratio Lower Upper
164 100
162 98.4 78.3 117.5
160 42.1 34.1 51.1

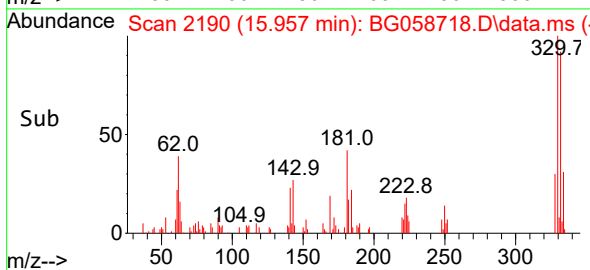
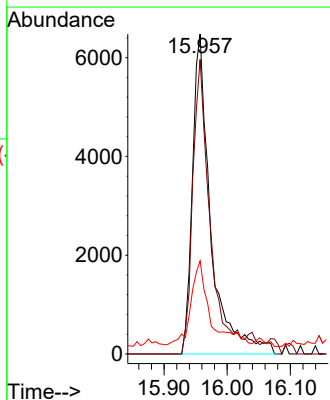
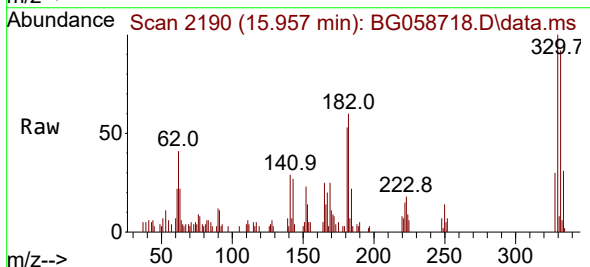
Manual Integrations
APPROVED

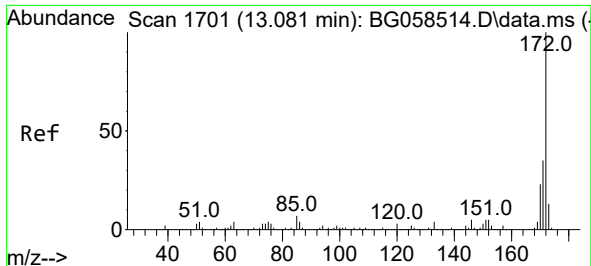
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#42
2,4,6-Tribromophenol
Concen: 6.550 ng
RT: 15.957 min Scan# 2190
Delta R.T. 0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

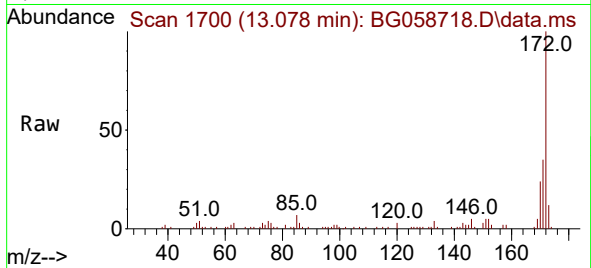
Tgt Ion:330 Resp: 13041
Ion Ratio Lower Upper
330 100
332 86.7 77.5 116.3
141 28.5 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 5.995 ng
RT: 13.078 min Scan# 1700
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

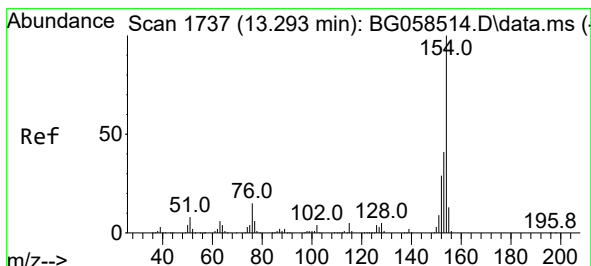
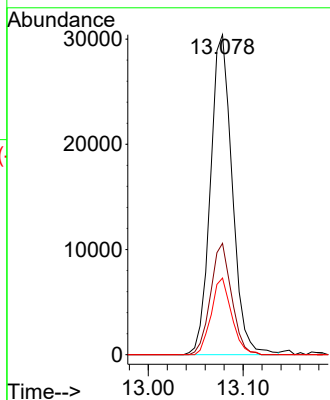
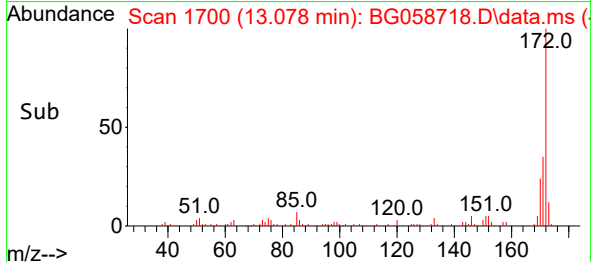
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



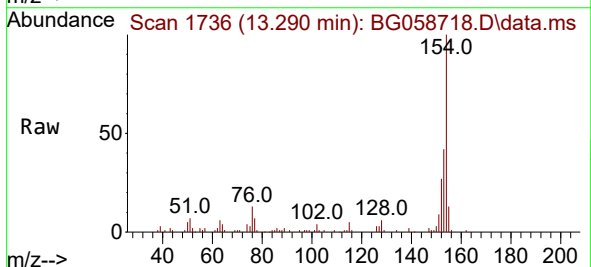
Tgt Ion:172 Resp: 4859
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 24.0 18.4 27.6

Manual Integrations
APPROVED

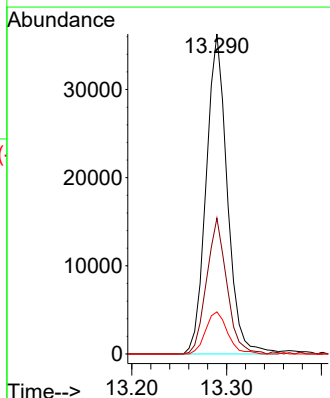
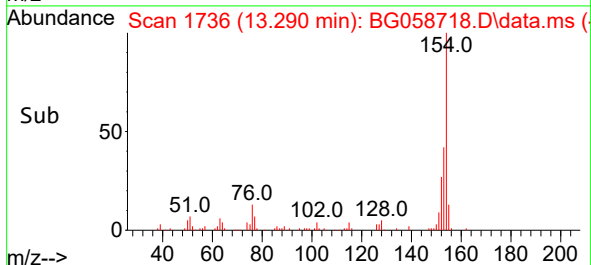
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

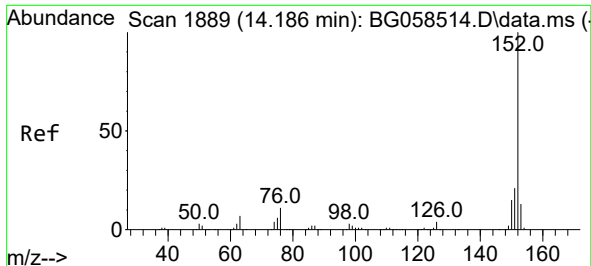


#46
1,1'-Biphenyl
Concen: 6.717 ng
RT: 13.290 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50



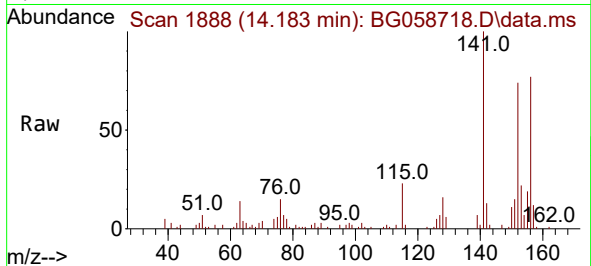
Tgt Ion:154 Resp: 56034
Ion Ratio Lower Upper
154 100
153 42.4 21.2 61.2
76 13.2 0.0 34.7





#49
Acenaphthylene
Concen: 2.219 ng
RT: 14.183 min Scan# 1888
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

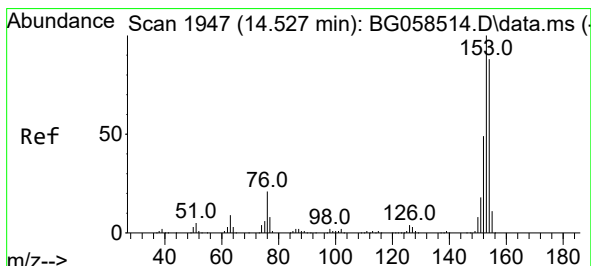
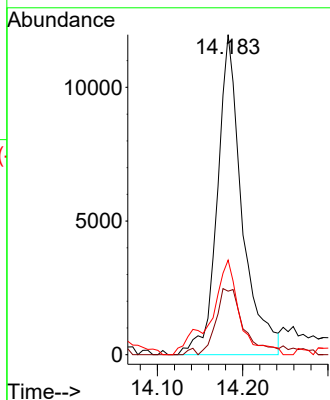
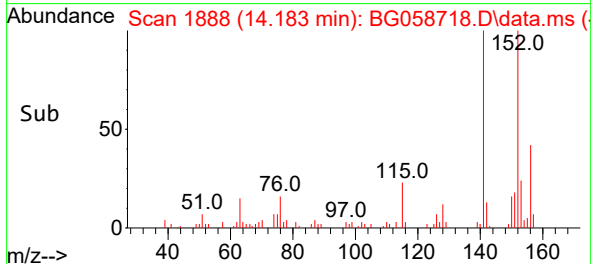
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



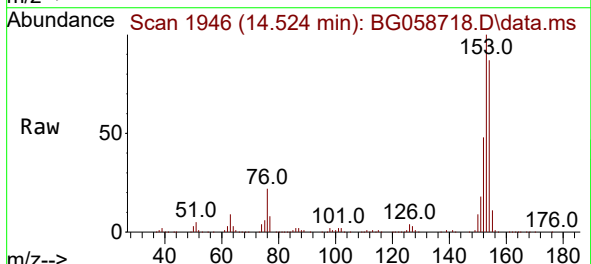
Tgt Ion:152 Resp: 24162
Ion Ratio Lower Upper
152 100
151 19.8 16.5 24.7
153 29.6 10.7 16.1

Manual Integrations
APPROVED

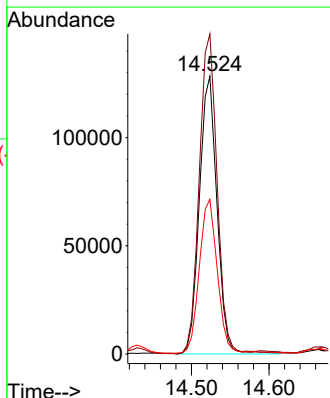
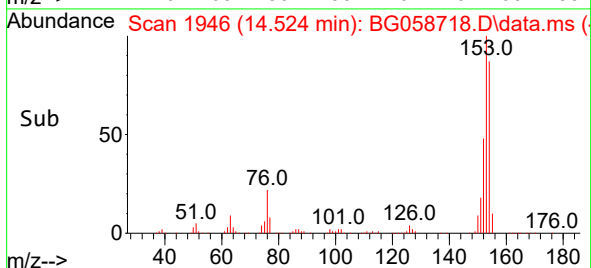
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

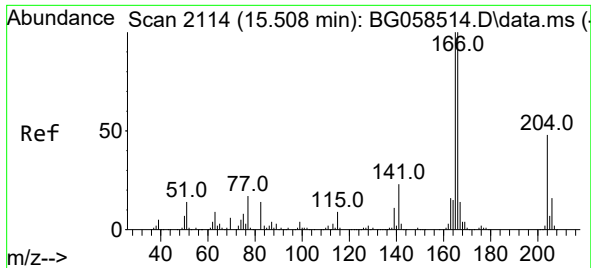


#52
Acenaphthene
Concen: 32.232 ng
RT: 14.524 min Scan# 1946
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50



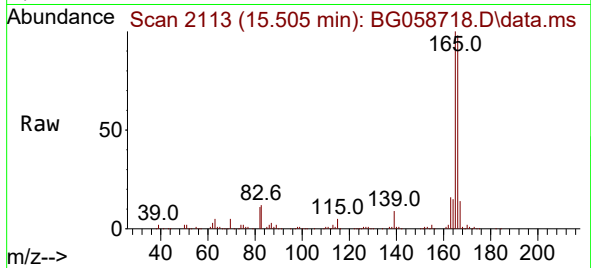
Tgt Ion:154 Resp: 202814
Ion Ratio Lower Upper
154 100
153 115.2 91.1 136.7
152 55.6 44.6 66.8





#58
Fluorene
Concen: 14.426 ng
RT: 15.505 min Scan# 2113
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

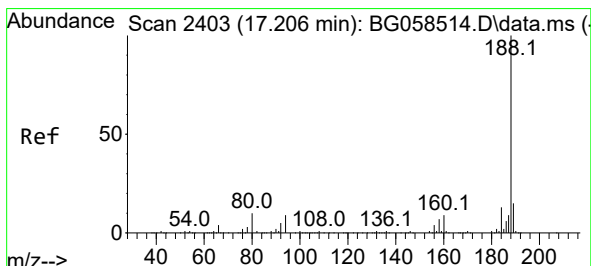
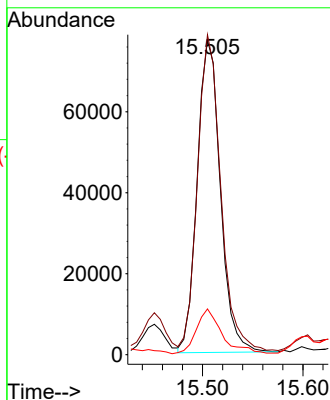
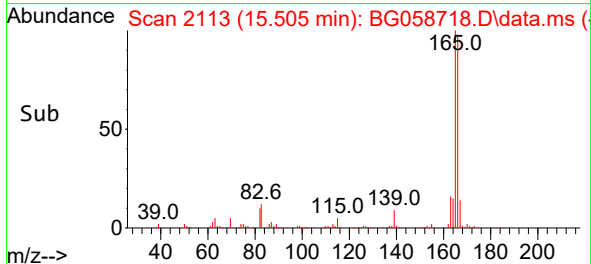
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



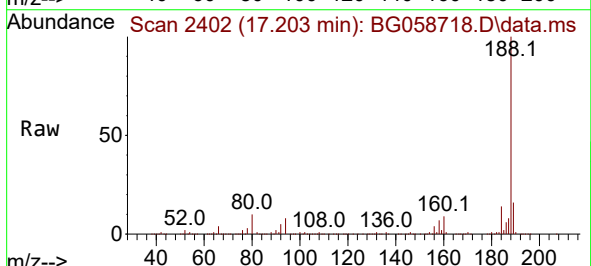
Tgt Ion:166 Resp: 12391
Ion Ratio Lower Upper
166 100
165 101.8 80.0 120.0
167 14.5 11.3 16.9

Manual Integrations
APPROVED

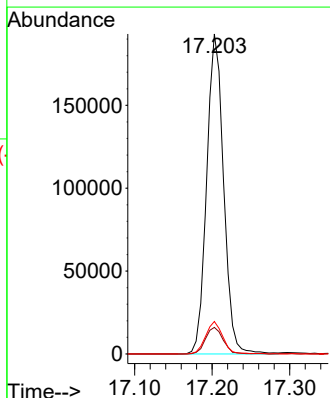
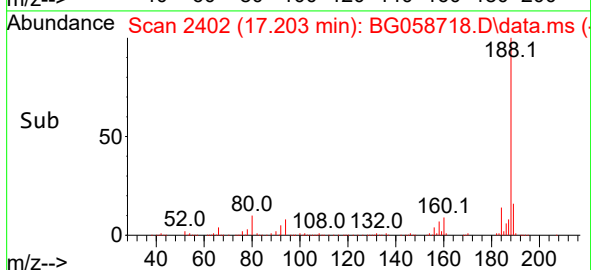
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

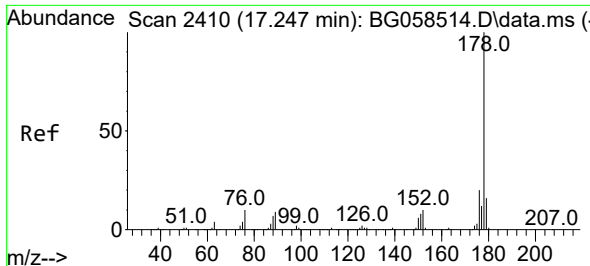


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 2402
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50



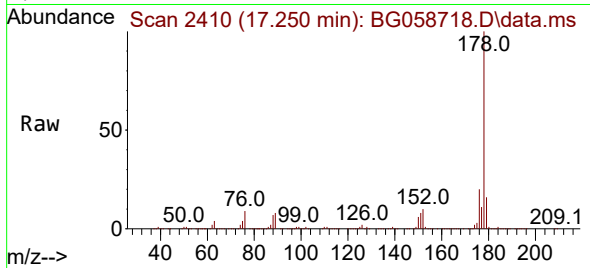
Tgt Ion:188 Resp: 293035
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.6
80 10.1 8.1 12.1





#71
Phenanthrene
Concen: 44.807 ng
RT: 17.250 min Scan# 2410
Delta R.T. 0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

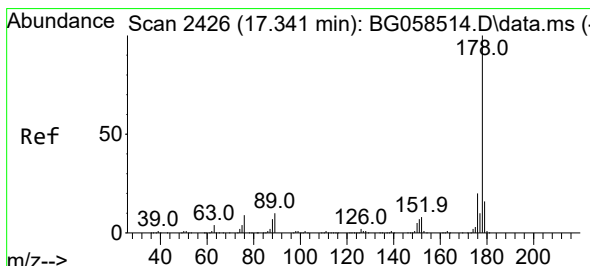
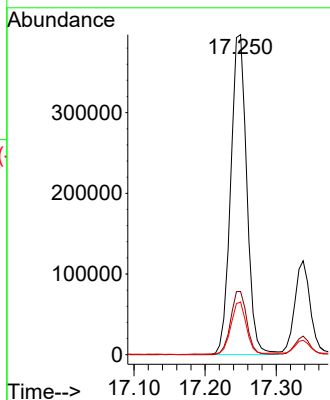
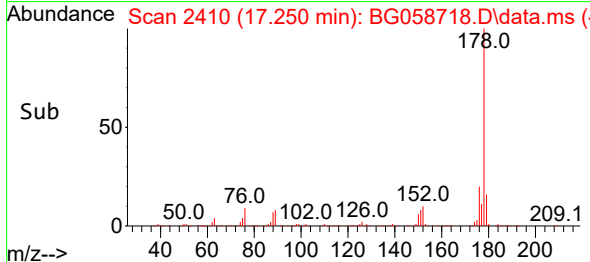
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



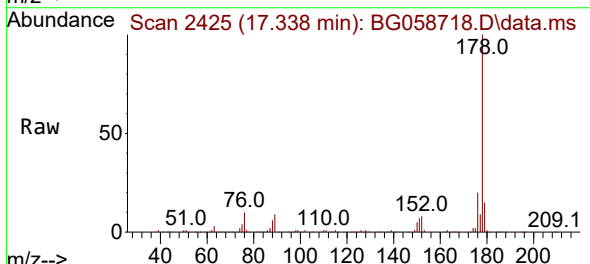
Tgt Ion:178 Resp: 622689
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 16.5 13.1 19.7

Manual Integrations
APPROVED

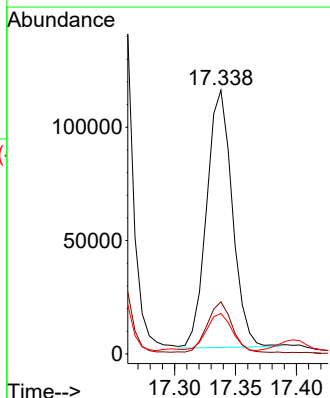
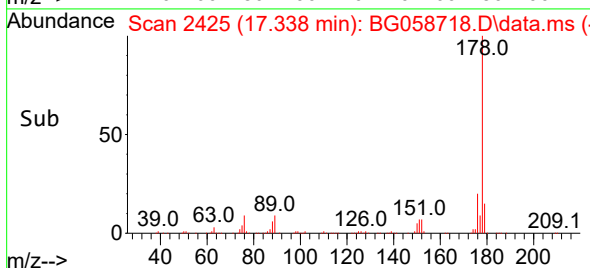
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

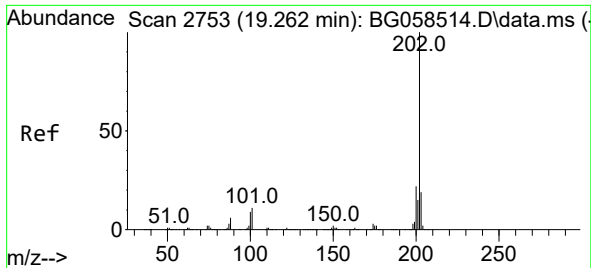


#72
Anthracene
Concen: 11.675 ng
RT: 17.338 min Scan# 2425
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50



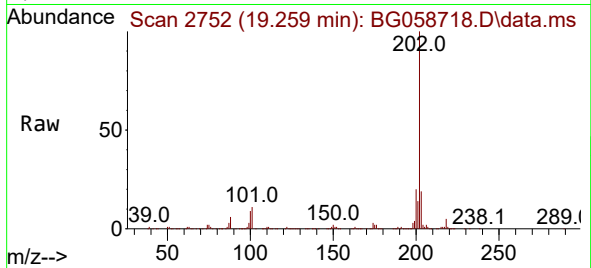
Tgt Ion:178 Resp: 166475
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.3 12.9 19.3





#75
Fluoranthene
Concen: 16.275 ng
RT: 19.259 min Scan# 2752
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

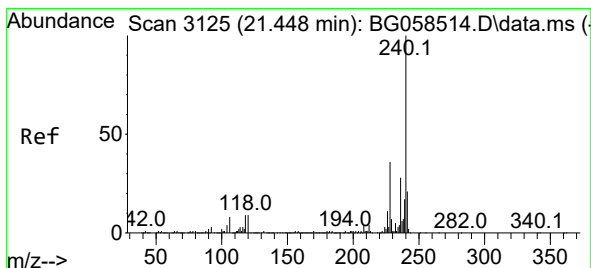
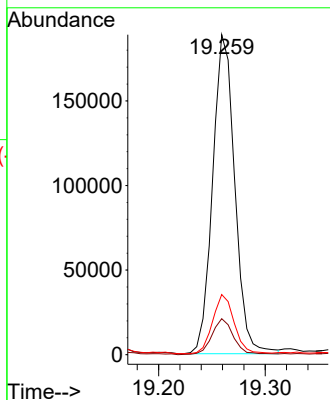
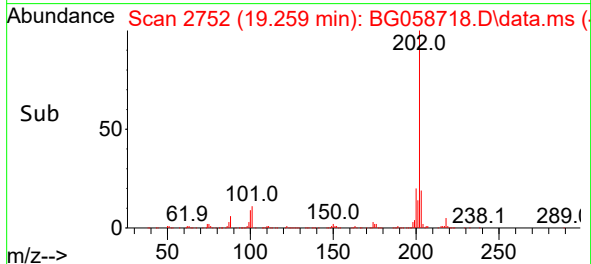
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



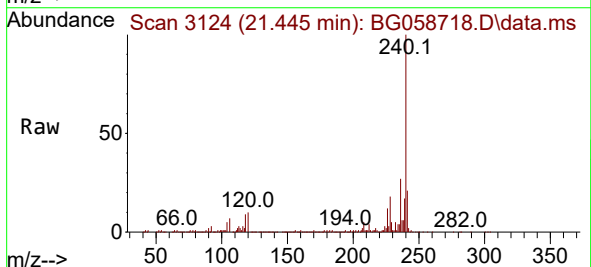
Tgt Ion:202 Resp: 27168
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 18.8 0.0 39.0

Manual Integrations
APPROVED

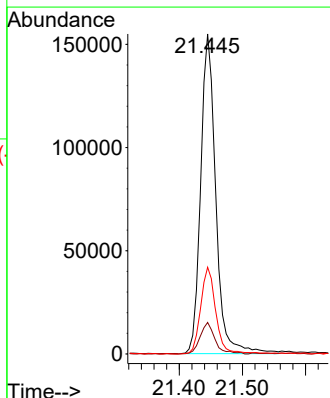
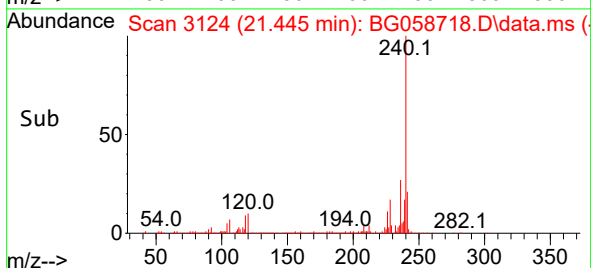
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

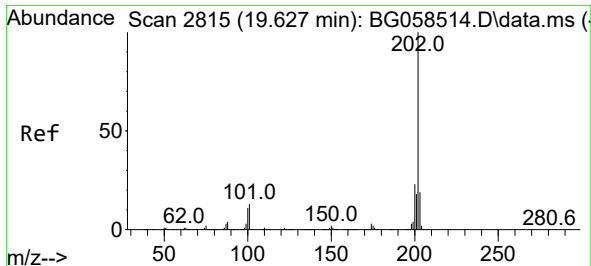


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3124
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50



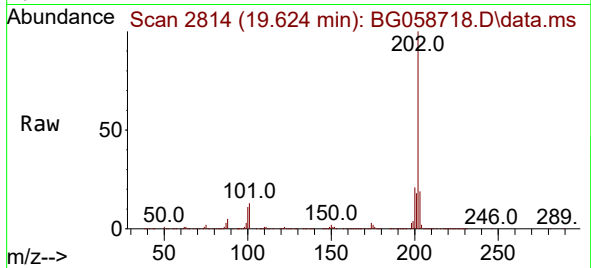
Tgt Ion:240 Resp: 256479
Ion Ratio Lower Upper
240 100
120 9.9 7.4 11.0
236 27.1 22.2 33.4





#78
Pyrene
Concen: 23.996 ng
RT: 19.624 min Scan# 2815
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

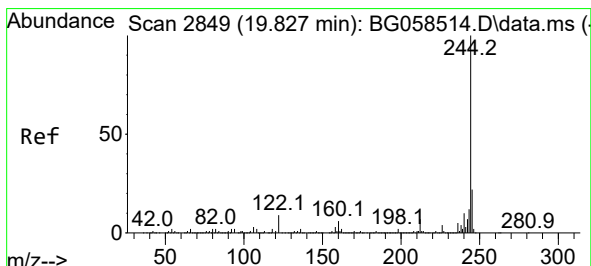
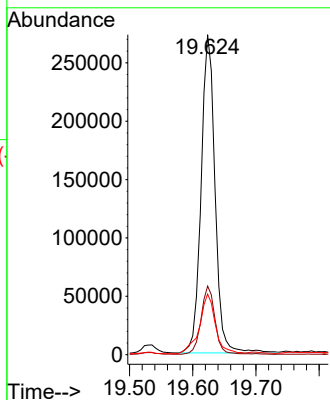
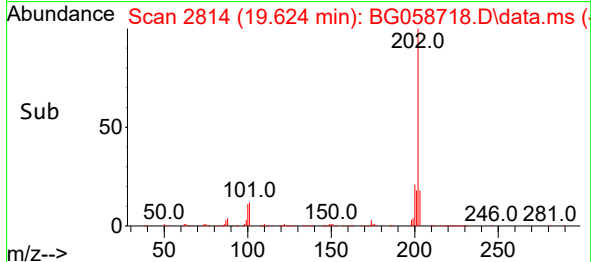
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



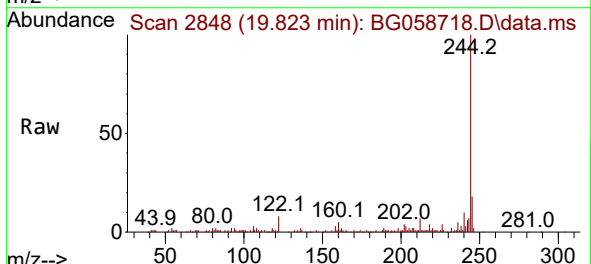
Tgt Ion:202 Resp: 418850
Ion Ratio Lower Upper
202 100
200 21.5 18.2 27.2
203 19.0 15.1 22.7

Manual Integrations
APPROVED

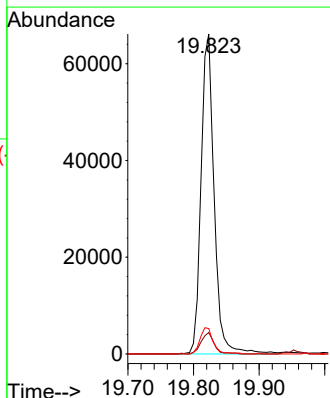
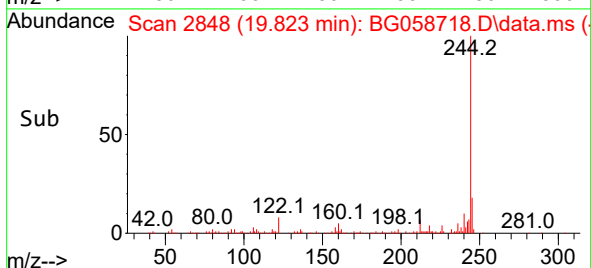
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

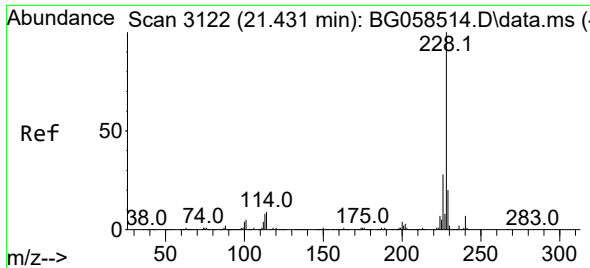


#79
Terphenyl-d14
Concen: 6.738 ng
RT: 19.823 min Scan# 2848
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50



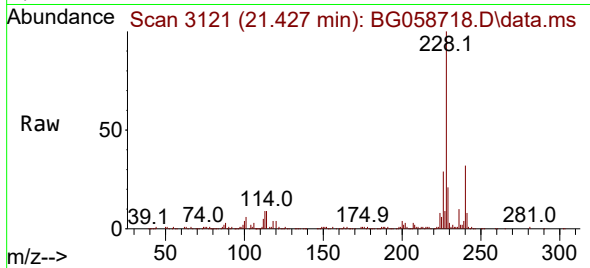
Tgt Ion:244 Resp: 91899
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 7.9 6.8 10.2





#81
Benzo(a)anthracene
Concen: 8.951 ng
RT: 21.427 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

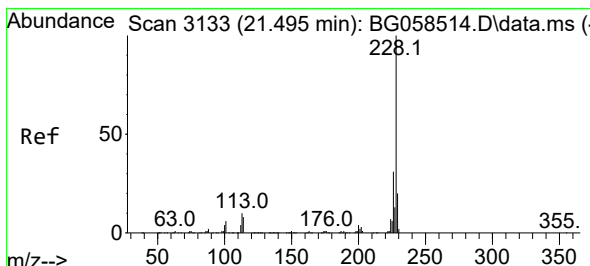
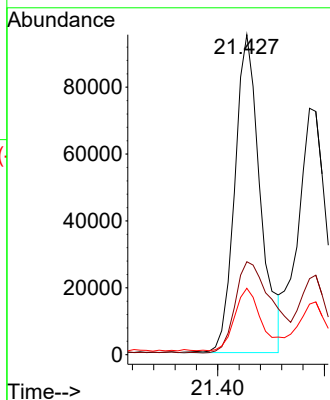
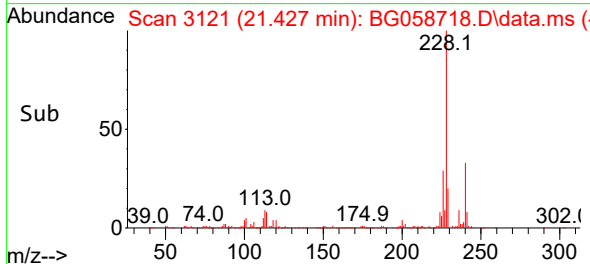
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



Tgt Ion:228 Resp: 157989
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 20.8 16.3 24.5

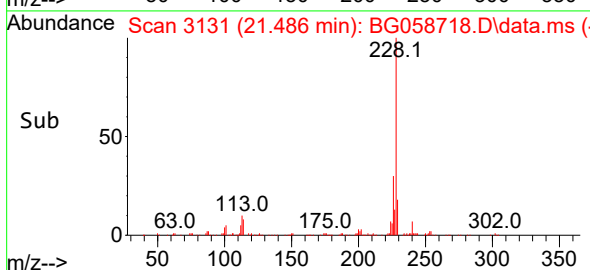
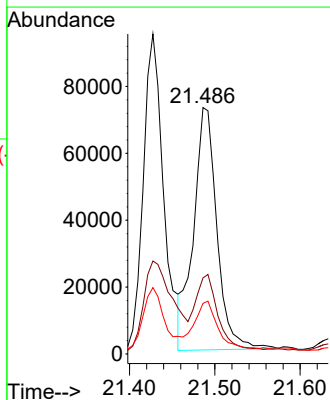
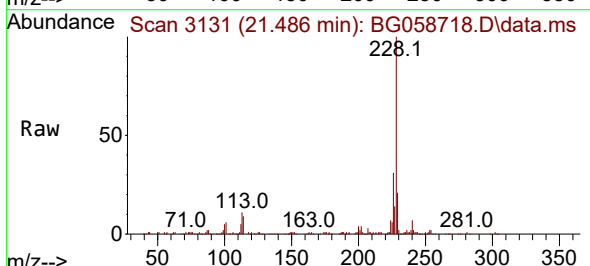
Manual Integrations
APPROVED

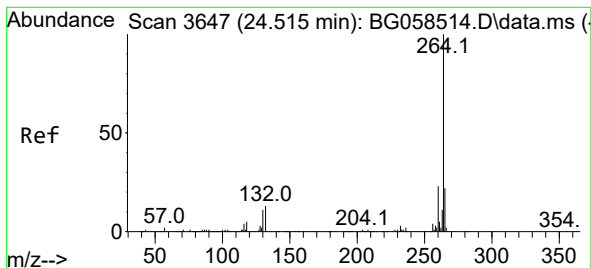
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#83
Chrysene
Concen: 8.200 ng
RT: 21.486 min Scan# 3131
Delta R.T. -0.009 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:228 Resp: 138774
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 20.5 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.518 min Scan# 3647

Delta R.T. 0.003 min

Lab File: BG058718.D

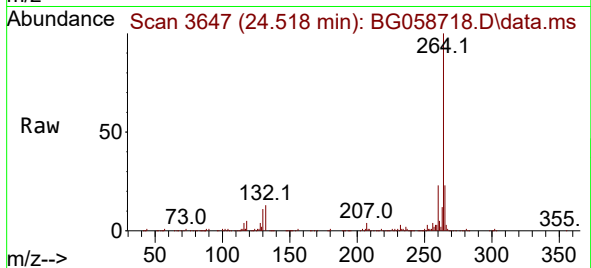
Acq: 14 Aug 2023 11:50

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL



Tgt Ion:264 Resp: 29489

Ion Ratio Lower Upper

264 100

260 22.5 18.4 27.6

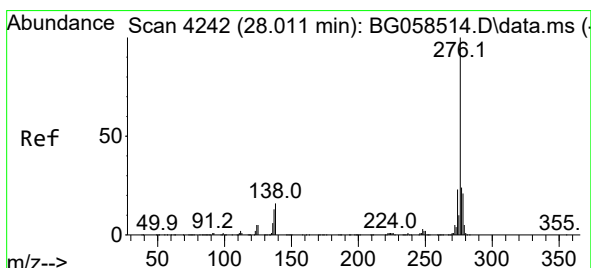
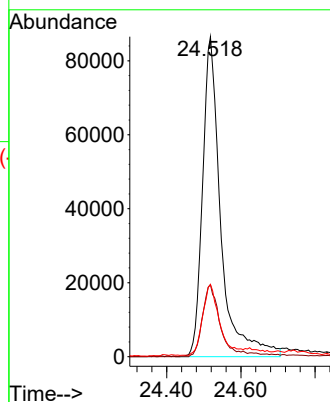
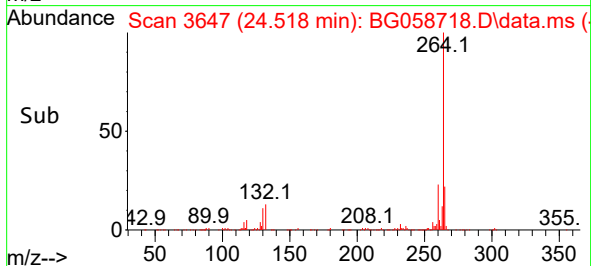
265 22.6 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.001 ng m

RT: 28.014 min Scan# 4242

Delta R.T. 0.003 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

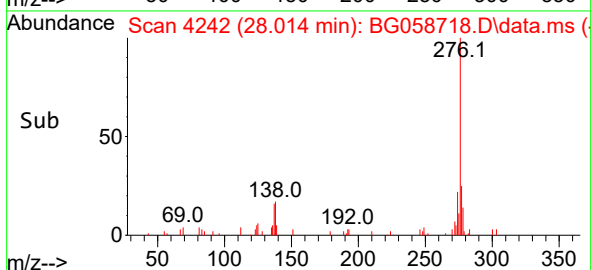
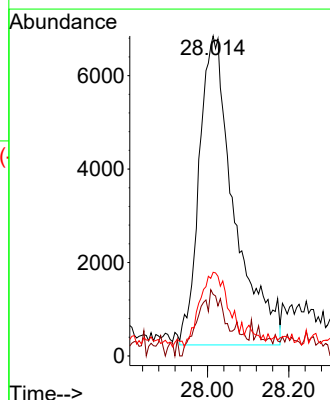
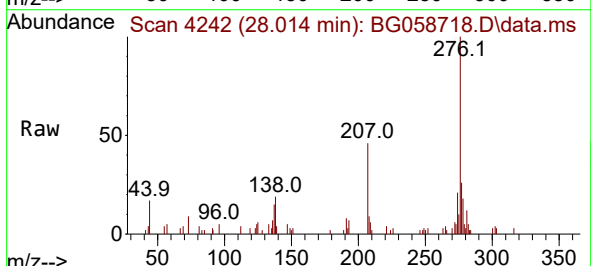
Tgt Ion:276 Resp: 39266

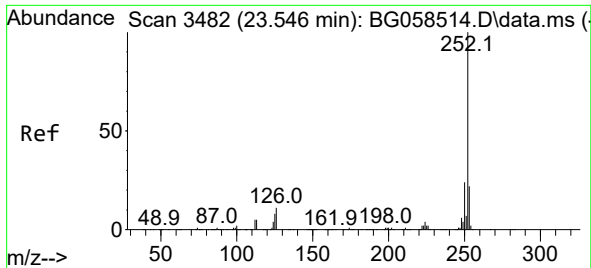
Ion Ratio Lower Upper

276 100

138 15.8 16.0 24.0#

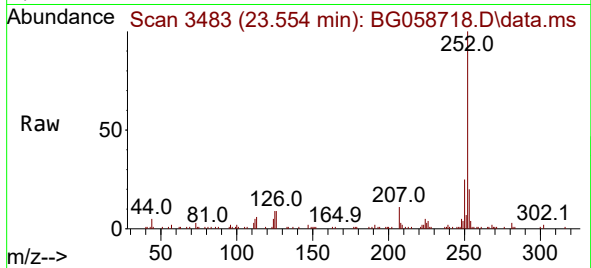
277 20.2 20.4 30.6#





#88
Benzo(b)fluoranthene
Concen: 6.004 ng
RT: 23.554 min Scan# 3483
Delta R.T. 0.009 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

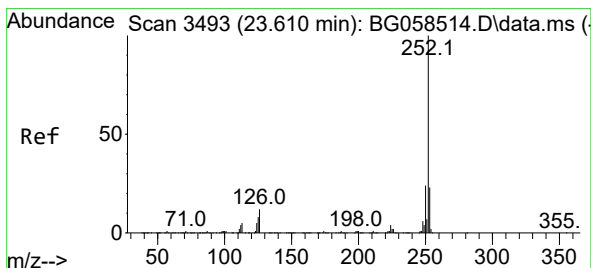
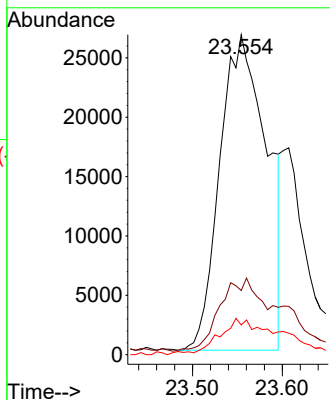
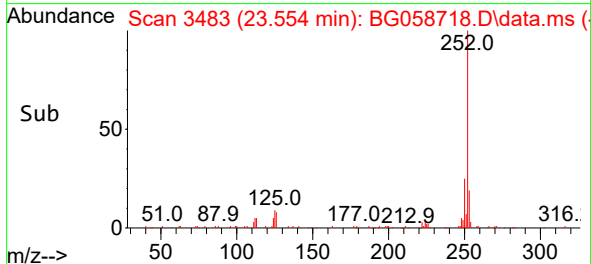
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL



Tgt Ion:252 Resp: 9602
Ion Ratio Lower Upper
252 100
253 20.1 17.8 26.8
125 9.3 6.6 9.8

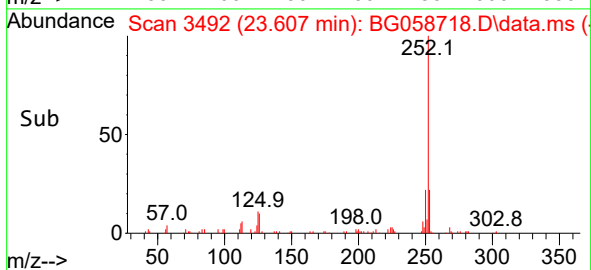
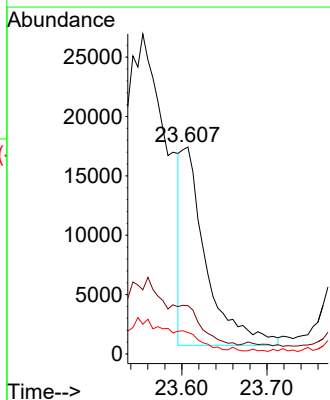
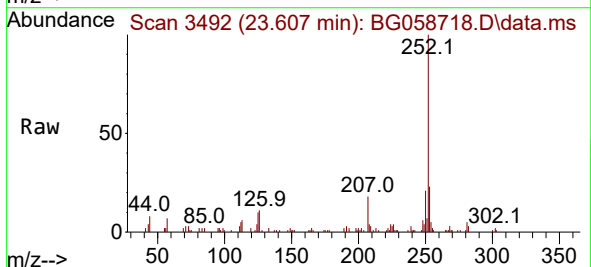
Manual Integrations
APPROVED

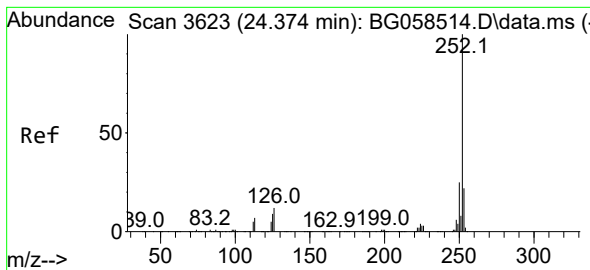
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#89
Benzo(k)fluoranthene
Concen: 2.117 ng m
RT: 23.607 min Scan# 3492
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:252 Resp: 34022
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 10.4 6.6 10.0#





#90

Benzo(a)pyrene

Concen: 6.929 ng

RT: 24.377 min Scan# 30

Delta R.T. 0.003 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL

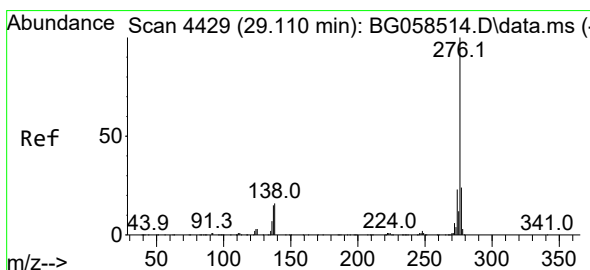
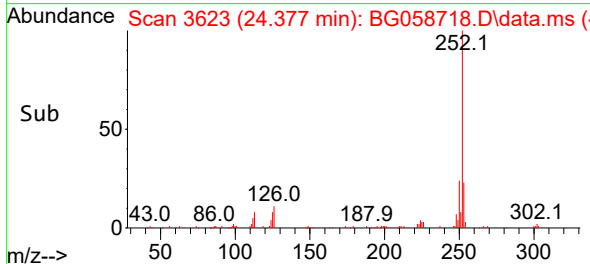
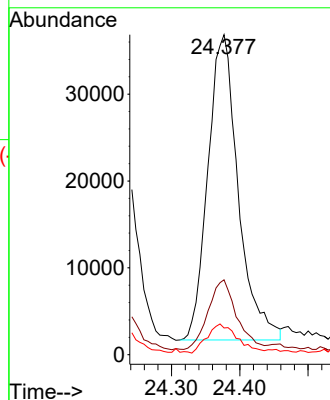
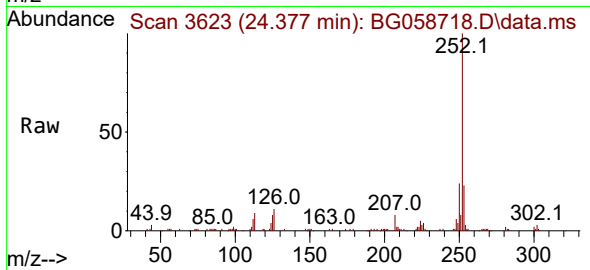
Tgt Ion:252 Resp: 108840

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	8.4	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#92

Benzo(g,h,i)perylene

Concen: 2.727 ng m

RT: 29.112 min Scan# 4429

Delta R.T. 0.003 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

Tgt Ion:276 Resp: 44351

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	18.5	13.0	19.4

