

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058717.D
 Acq On : 14 Aug 2023 11:09
 Operator : MA/JU
 Sample : 03958-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z46-47DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 14 11:44:50 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	7.814	152	38437	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	176234	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	130100	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	312663	20.000	ng	0.00
76) Chrysene-d12	21.445	240	275536	20.000	ng	0.00
86) Perylene-d12	24.518	264	318399	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	39038	15.524	ng	0.00
7) Phenol-d6	6.979	99	56023	16.010	ng	0.00
23) Nitrobenzene-d5	8.977	82	32096	8.947	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	24490	11.485	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	87949	10.131	ng	0.00
79) Terphenyl-d14	19.823	244	163059	11.129	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.663	128	521186	56.111	ng	99
37) 2-Methylnaphthalene	12.273	142	114167	17.183	ng	98
38) 1-Methylnaphthalene	12.497	142	197141	31.213	ng	98
46) 1,1'-Biphenyl	13.290	154	49403	5.529	ng	100
49) Acenaphthylene	14.183	152	46896	4.021	ng	# 92
52) Acenaphthene	14.524	154	217041	32.205	ng	99
58) Fluorene	15.505	166	116910	12.708	ng	98
71) Phenanthrene	17.250	178	761150	51.332	ng	99
72) Anthracene	17.338	178	220008	14.460	ng	100
75) Fluoranthene	19.259	202	412730	23.172	ng	100
78) Pyrene	19.623	202	581552	31.013	ng	98
81) Benzo(a)anthracene	21.427	228	276559	14.585	ng	95
83) Chrysene	21.492	228	252232	13.874	ng	99
87) Indeno(1,2,3-cd)pyrene	28.014	276	62219m	2.937	ng	
88) Benzo(b)fluoranthene	23.554	252	168871m	9.779	ng	
89) Benzo(k)fluoranthene	23.601	252	61094m	3.522	ng	
90) Benzo(a)pyrene	24.371	252	192645	11.359	ng	98
92) Benzo(g,h,i)perylene	29.112	276	65840	3.749	ng	95

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

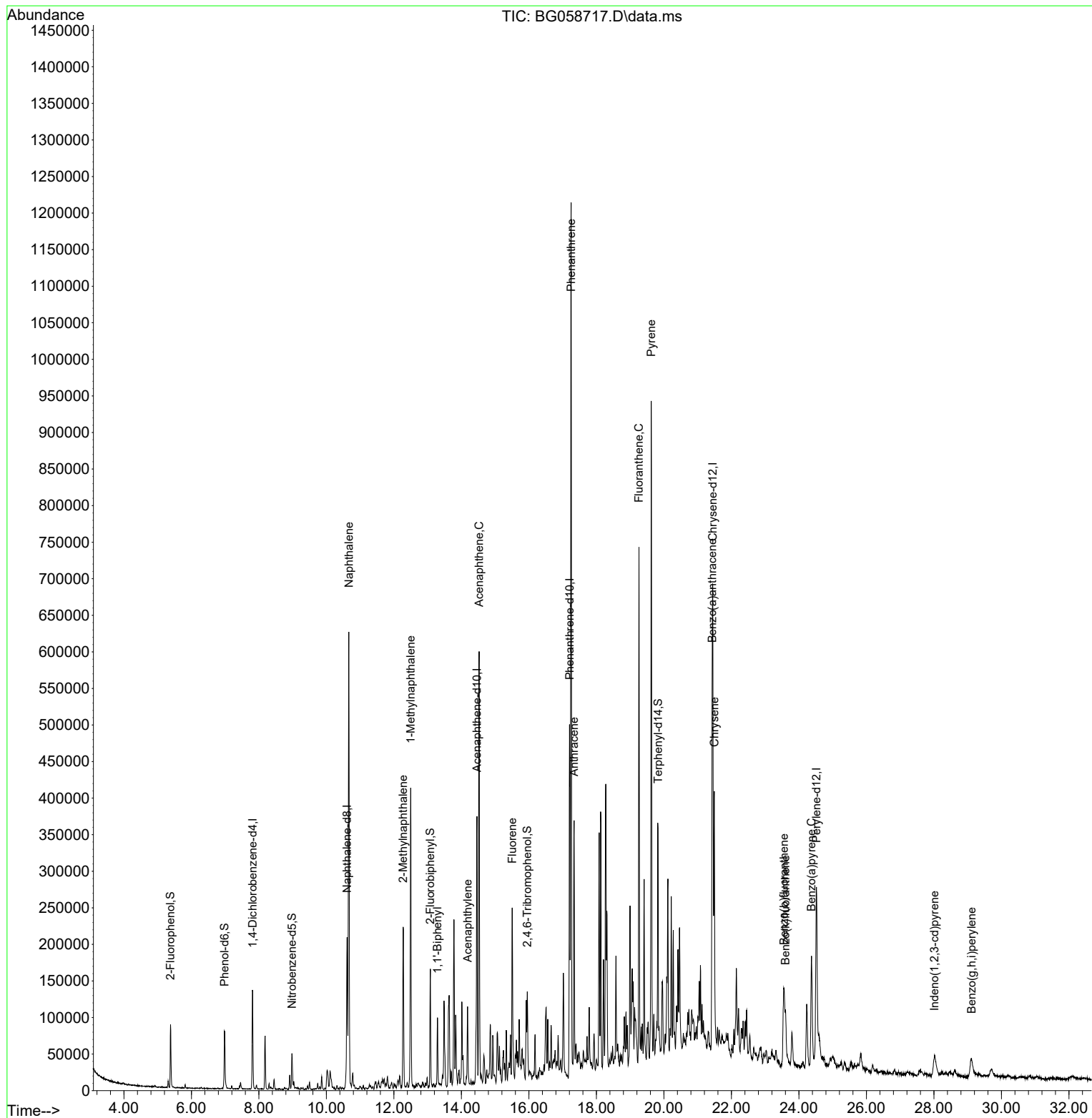
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
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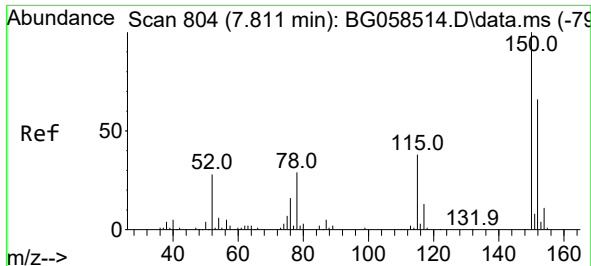
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

Quant Time: Aug 14 11:44:50 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

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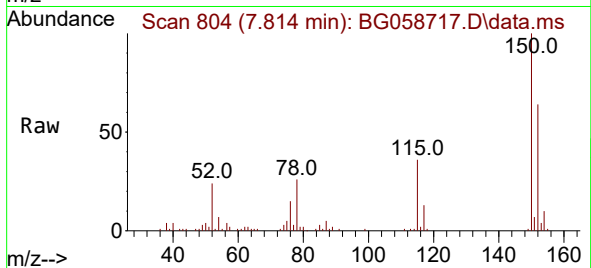
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.814 min Scan# 804
Delta R.T. 0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

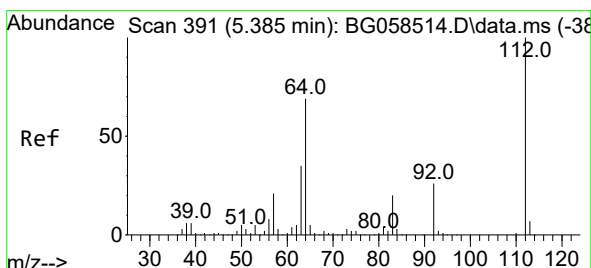
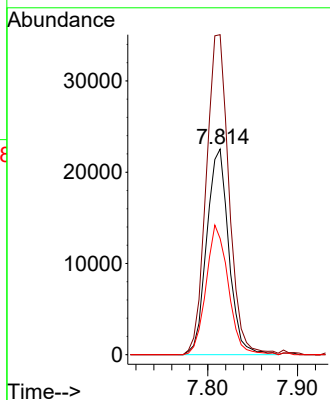
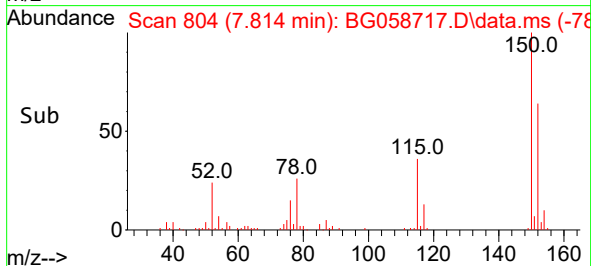
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL



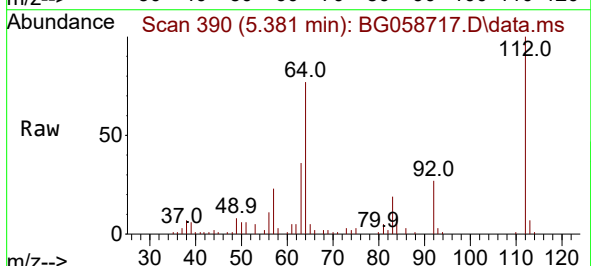
Tgt Ion:152 Resp: 3843
Ion Ratio Lower Upper
152 100
150 155.6 120.5 180.7
115 56.5 45.9 68.9

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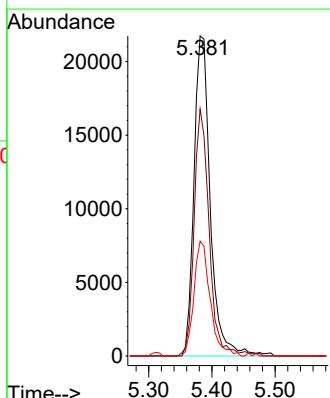
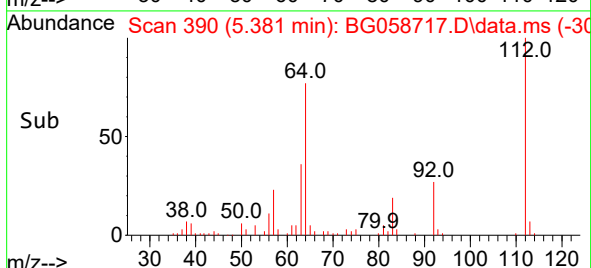
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

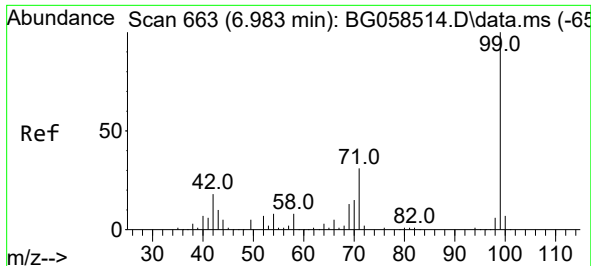


#5
2-Fluorophenol
Concen: 15.524 ng
RT: 5.381 min Scan# 390
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09



Tgt Ion:112 Resp: 39038
Ion Ratio Lower Upper
112 100
64 77.2 55.3 82.9
63 35.8 28.3 42.5





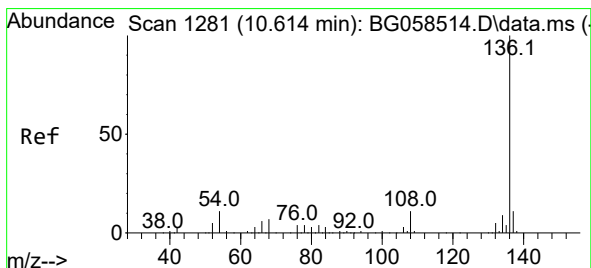
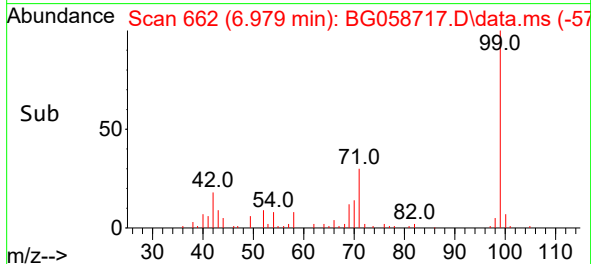
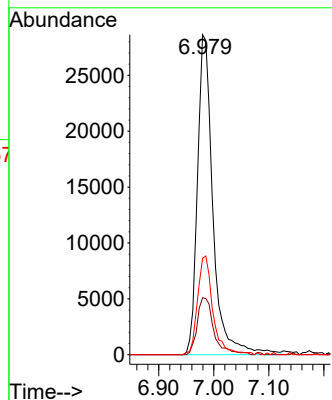
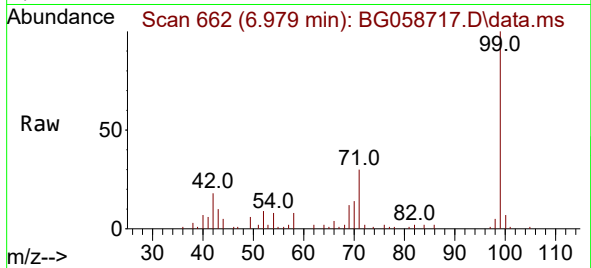
#7
Phenol-d6
Concen: 16.010 ng
RT: 6.979 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

Tgt Ion: 99 Resp: 5602
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 30.1 25.0 37.4

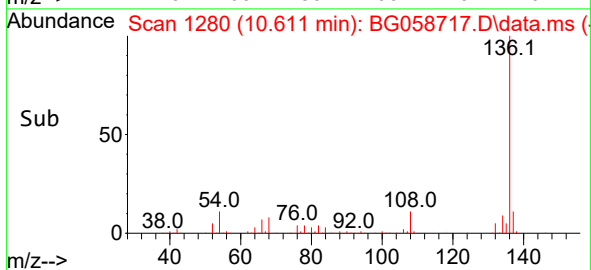
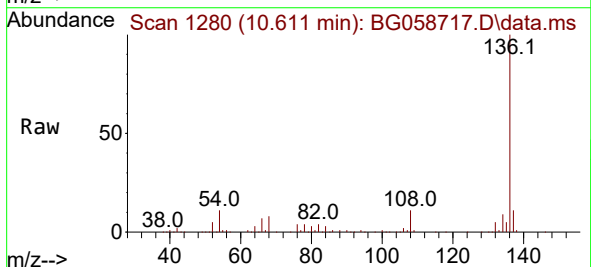
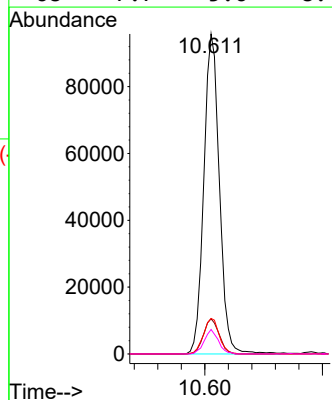
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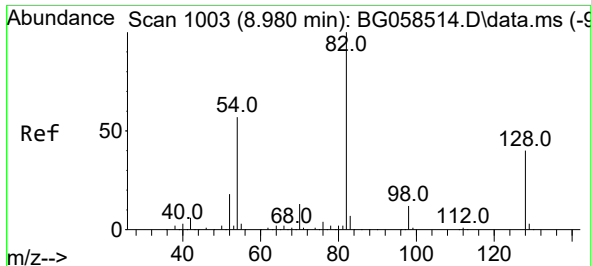
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:136 Resp: 176234
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 11.1 8.9 13.3
68 7.7 5.6 8.4





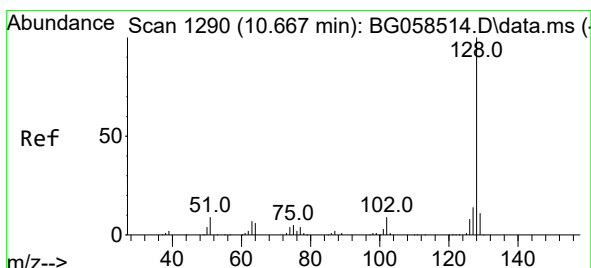
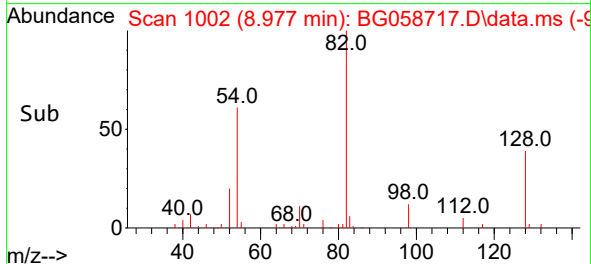
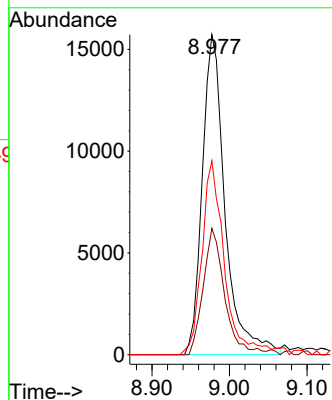
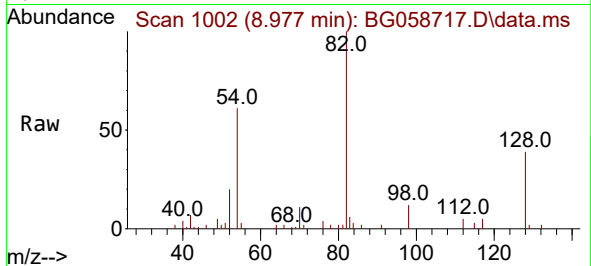
#23
Nitrobenzene-d5
Concen: 8.947 ng
RT: 8.977 min Scan# 1002
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

Tgt Ion: 82 Resp: 32090
Ion Ratio Lower Upper
82 100
128 39.5 32.2 48.2
54 60.6 46.0 69.0

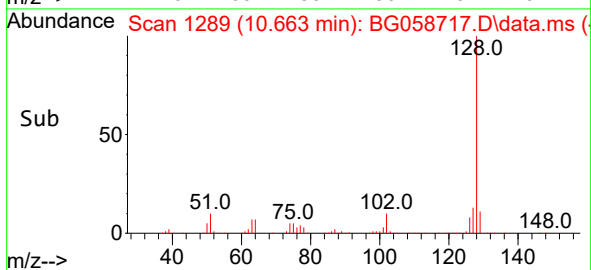
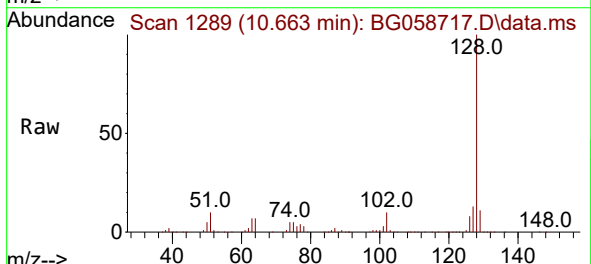
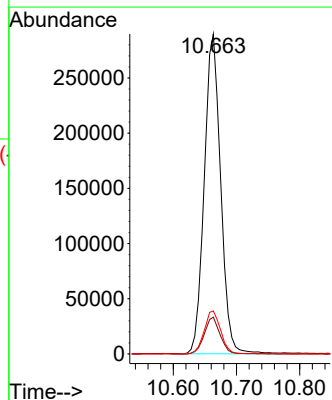
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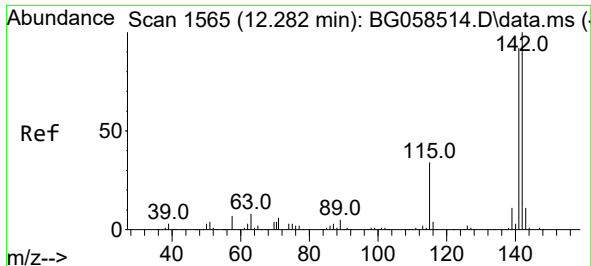
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#31
Naphthalene
Concen: 56.111 ng
RT: 10.663 min Scan# 1289
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:128 Resp: 521186
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.5 10.9 16.3





#37

2-Methylnaphthalene

Concen: 17.183 ng

RT: 12.273 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG058717.D

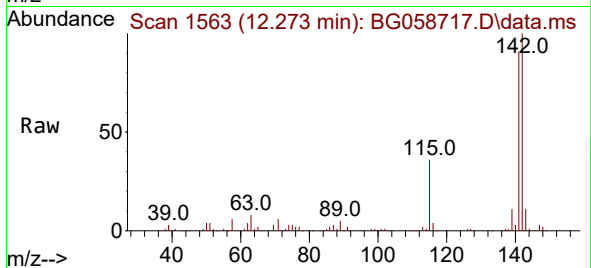
Acq: 14 Aug 2023 11:09

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z46-47DL



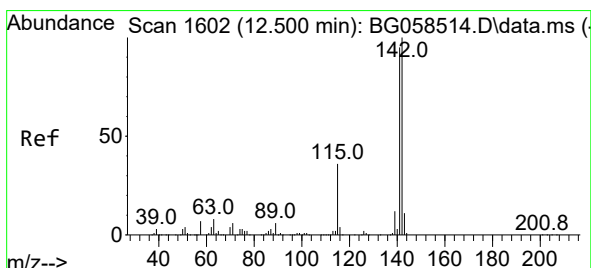
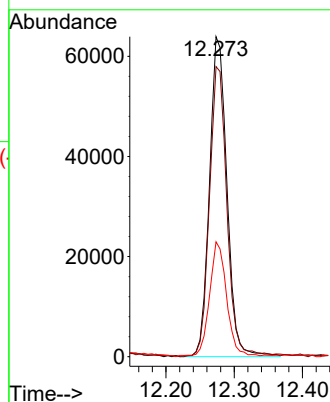
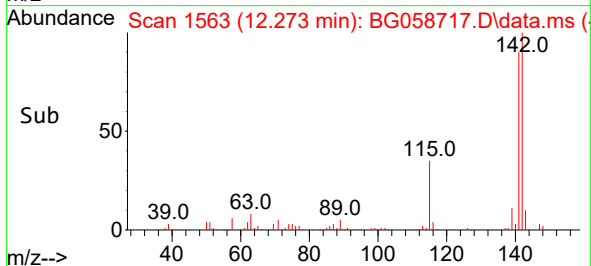
Tgt Ion:	142	Resp:	11416
Ion Ratio	Lower	Upper	
142	100		
141	90.6	73.5	110.3
115	35.9	27.4	41.0

Manual Integrations

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Supervised By :Sohil Jodhani 08/15/2023



#38

1-Methylnaphthalene

Concen: 31.213 ng

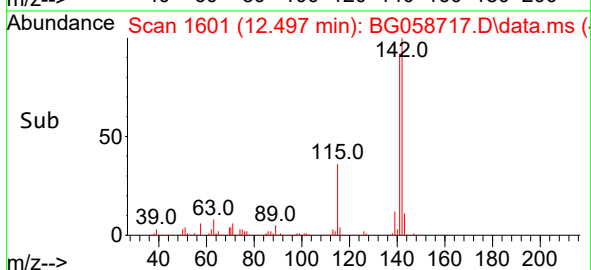
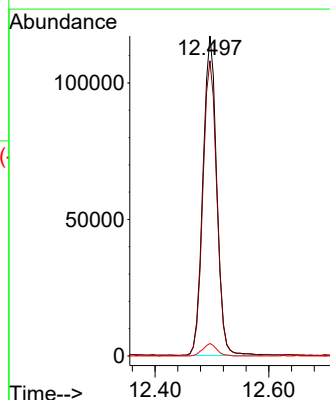
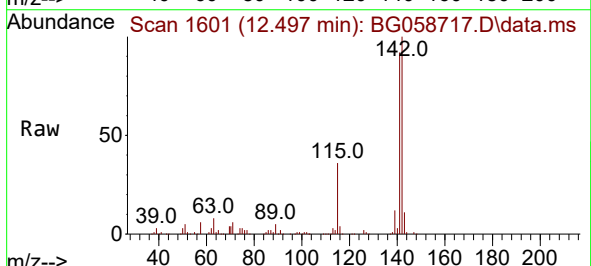
RT: 12.497 min Scan# 1601

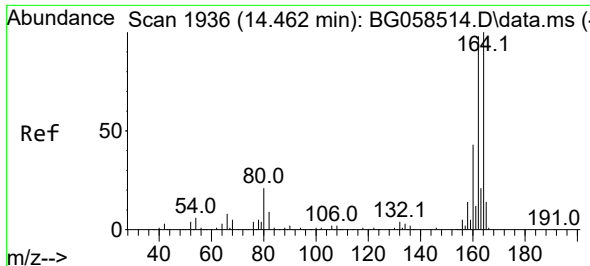
Delta R.T. -0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

Tgt Ion:	142	Resp:	197141
Ion Ratio	Lower	Upper	
142	100		
141	92.2	75.7	113.5
116	3.9	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: BG058717.D

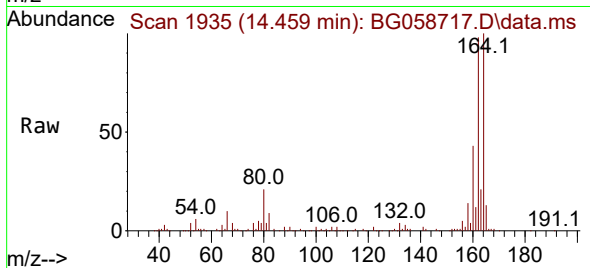
Acq: 14 Aug 2023 11:09

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z46-47DL

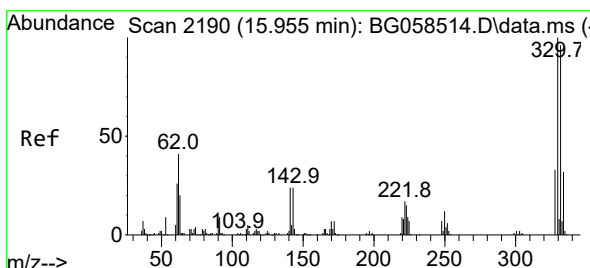
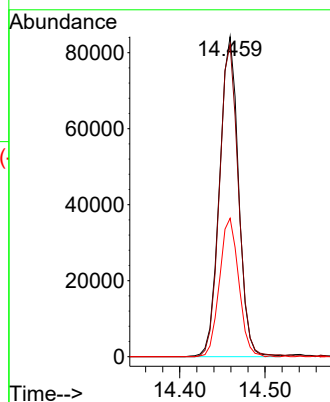
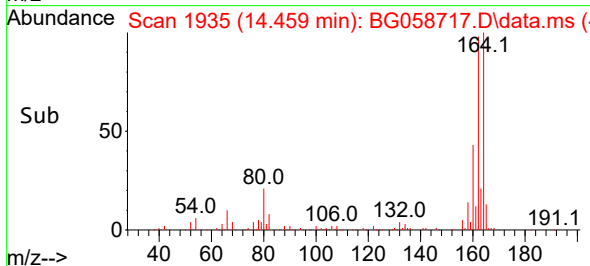


Tgt Ion:	164	Resp:	130100
Ion Ratio	100	Lower	Upper
164	100		
162	97.6	78.3	117.5
160	43.3	34.1	51.1

Manual Integrations

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



#42

2,4,6-Tribromophenol

Concen: 11.485 ng

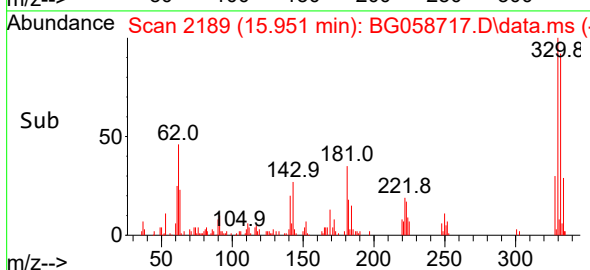
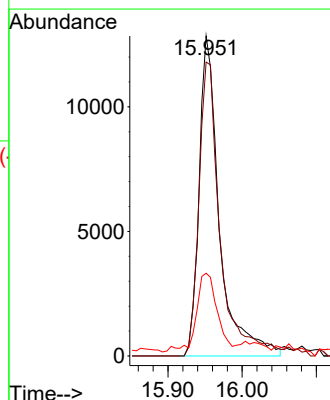
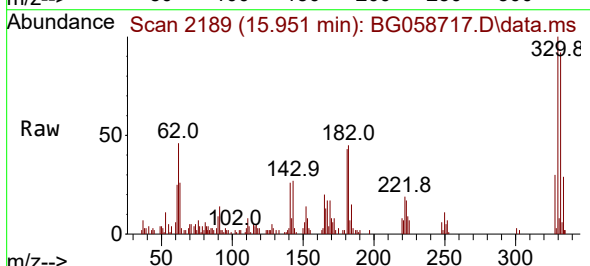
RT: 15.951 min Scan# 2189

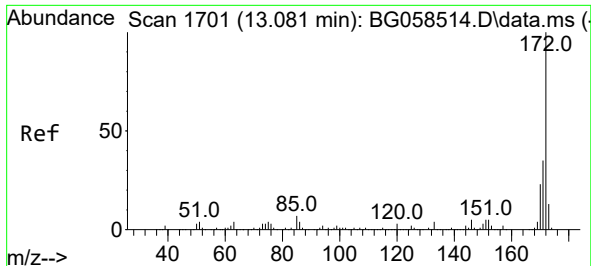
Delta R.T. -0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

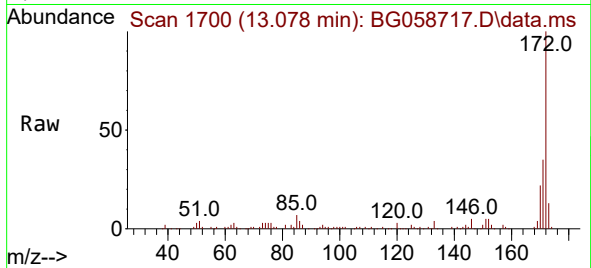
Tgt Ion:	330	Resp:	24490
Ion Ratio	100	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	25.5	20.7	31.1





#45
2-Fluorobiphenyl
Concen: 10.131 ng
RT: 13.078 min Scan# 1700
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

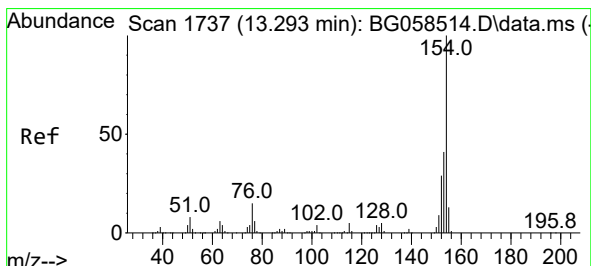
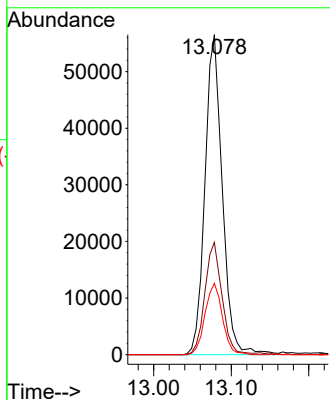
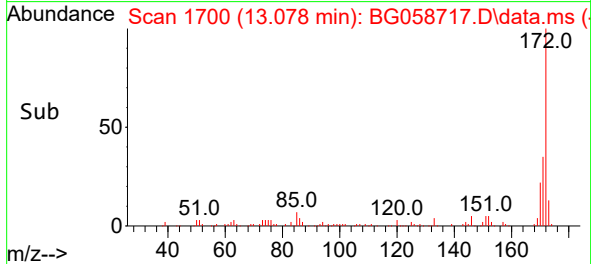
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL



Tgt Ion:172 Resp: 87949
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 22.3 18.4 27.6

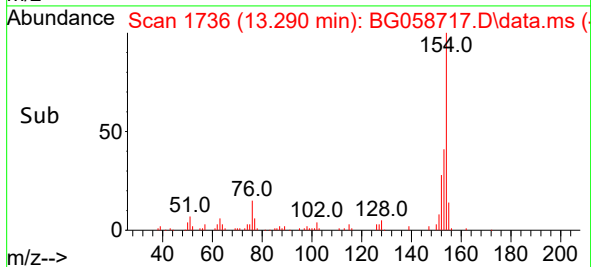
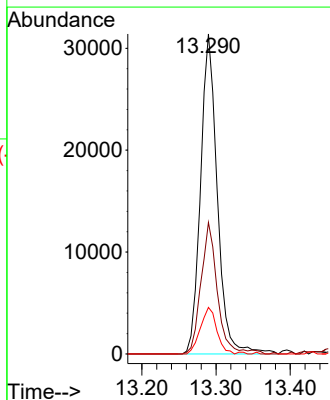
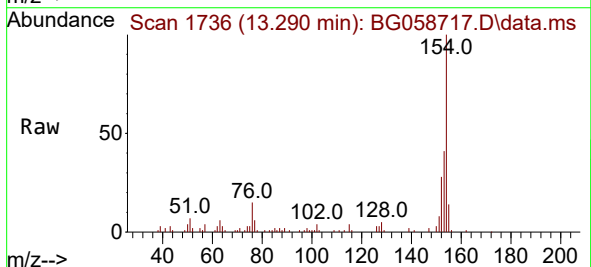
Manual Integrations
APPROVED

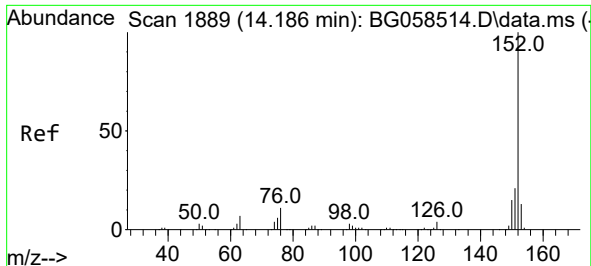
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#46
1,1'-Biphenyl
Concen: 5.529 ng
RT: 13.290 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

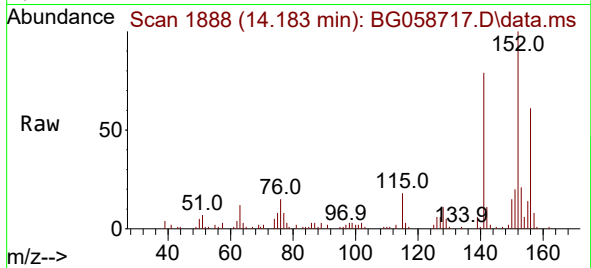
Tgt Ion:154 Resp: 49403
Ion Ratio Lower Upper
154 100
153 41.1 21.2 61.2
76 14.6 0.0 34.7





#49
Acenaphthylene
Concen: 4.021 ng
RT: 14.183 min Scan# 1888
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

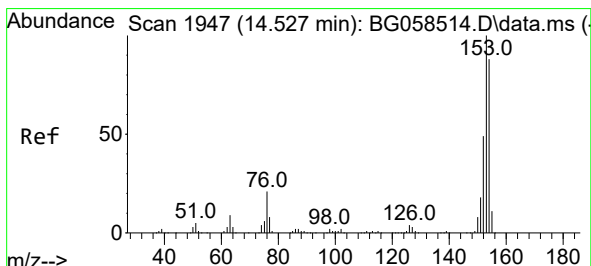
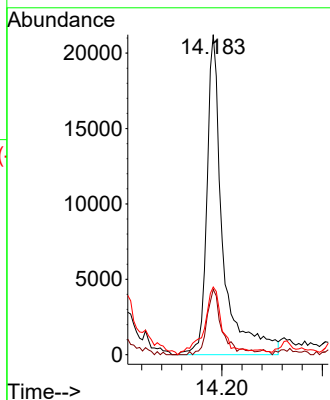
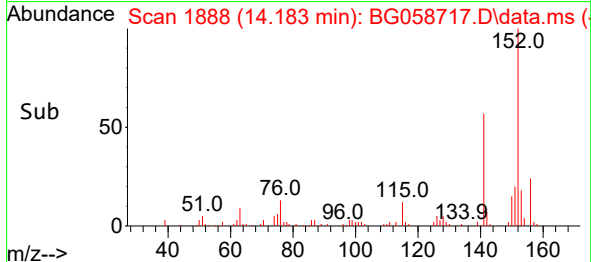
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL



Tgt Ion:152 Resp: 46890
Ion Ratio Lower Upper
152 100
151 20.4 16.5 24.7
153 21.2 10.7 16.1

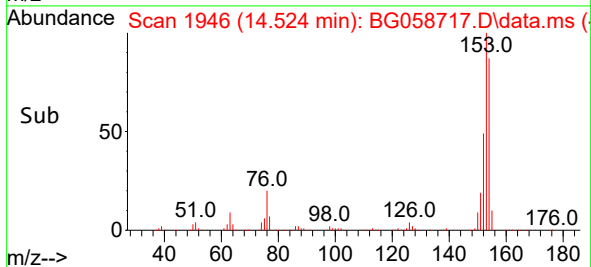
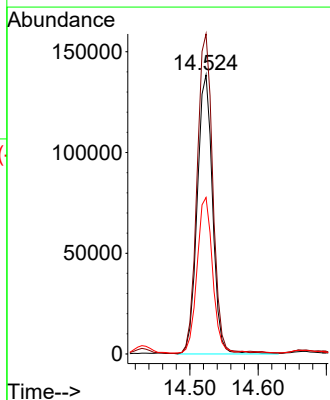
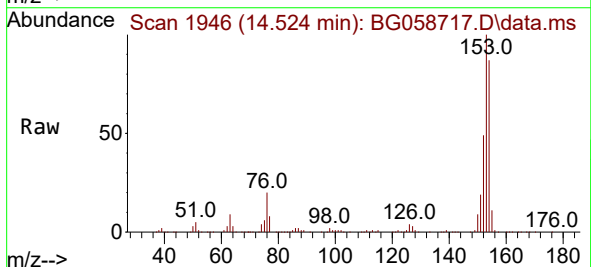
Manual Integrations
APPROVED

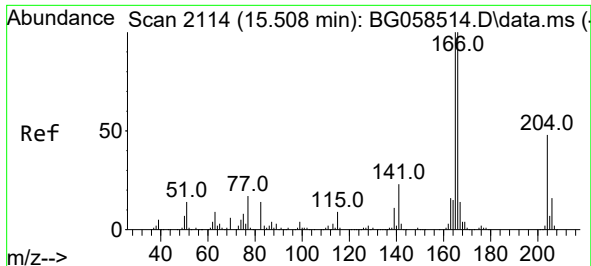
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#52
Acenaphthene
Concen: 32.205 ng
RT: 14.524 min Scan# 1946
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

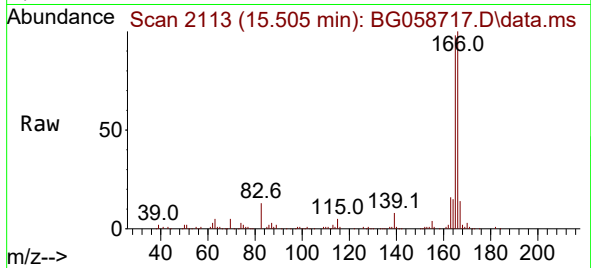
Tgt Ion:154 Resp: 217041
Ion Ratio Lower Upper
154 100
153 114.7 91.1 136.7
152 56.1 44.6 66.8





#58
Fluorene
Concen: 12.708 ng
RT: 15.505 min Scan# 2113
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

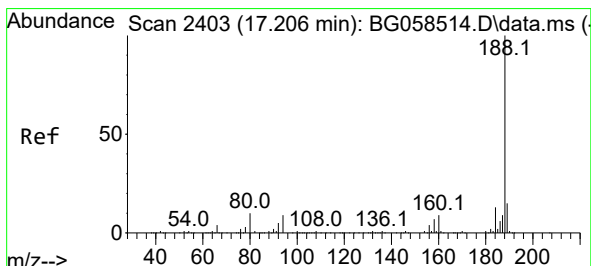
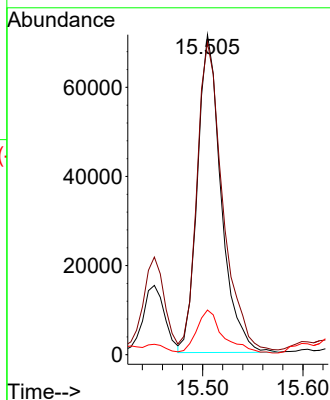
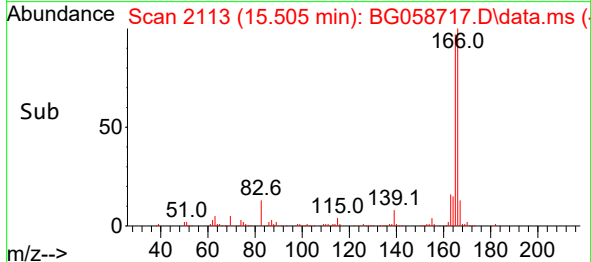
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL



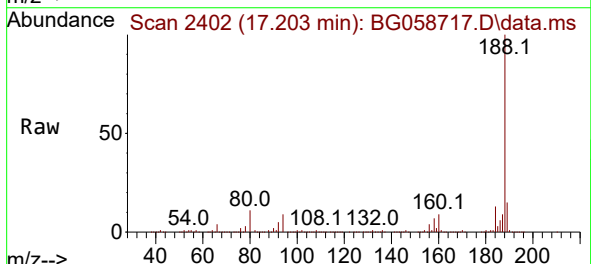
Tgt Ion:166 Resp: 116910
Ion Ratio Lower Upper
166 100
165 97.5 80.0 120.0
167 13.9 11.3 16.9

Manual Integrations
APPROVED

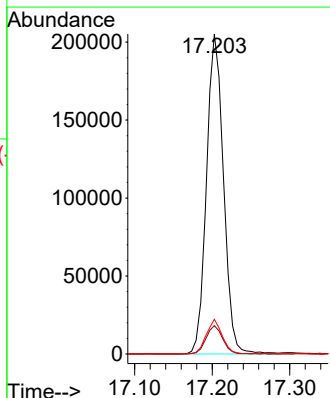
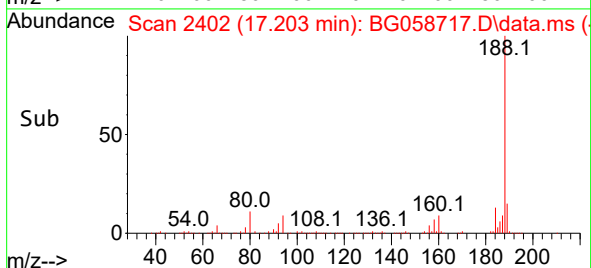
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

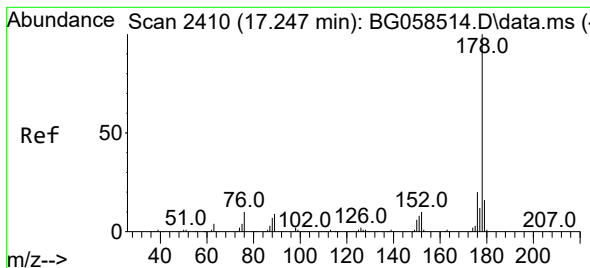


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 2402
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09



Tgt Ion:188 Resp: 312663
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 10.9 8.1 12.1





#71

Phenanthrene

Concen: 51.332 ng

RT: 17.250 min Scan# 2410

Delta R.T. 0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

Instrument :

BNA_G

ClientSampleId :

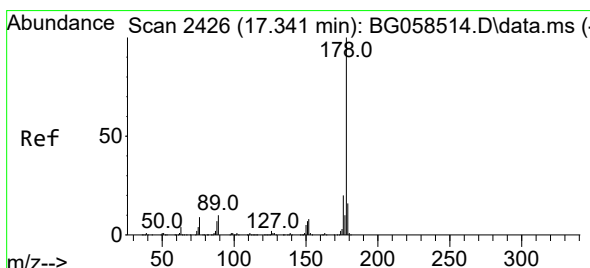
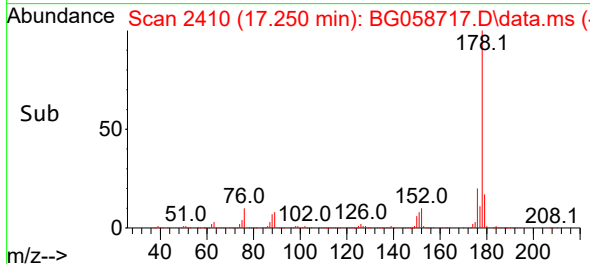
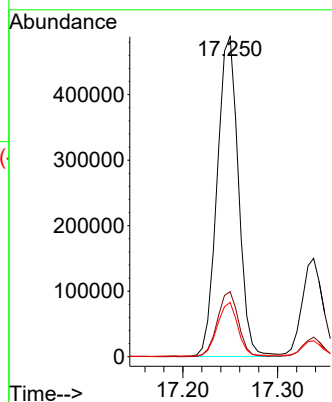
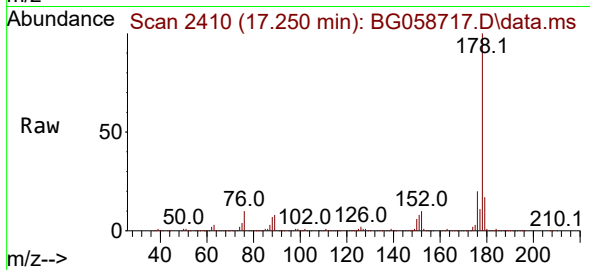
NEVINS-SB02-Z46-47DL

Tgt Ion:178 Resp: 761150
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.3 24.5
 179 17.0 13.1 19.7

Manual Integrations

APPROVED

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



#72

Anthracene

Concen: 14.460 ng

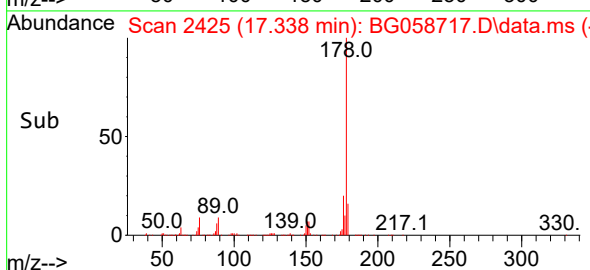
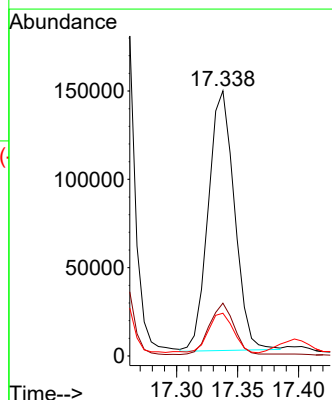
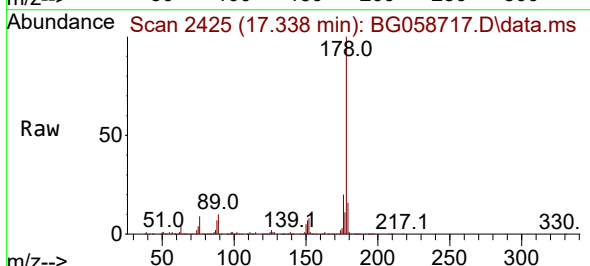
RT: 17.338 min Scan# 2425

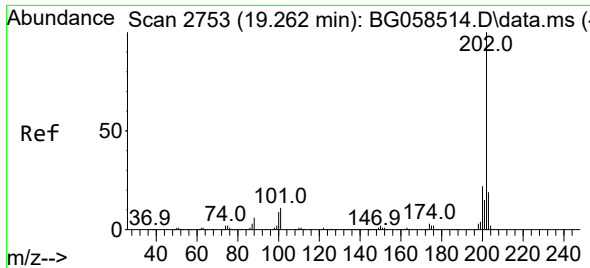
Delta R.T. -0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

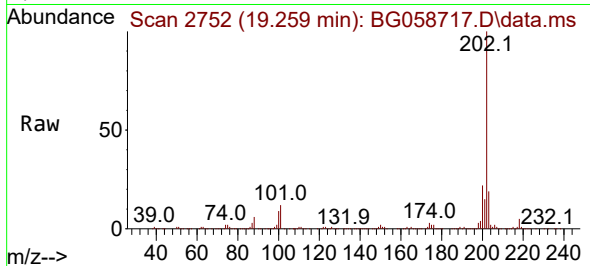
Tgt Ion:178 Resp: 220008
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.0 24.0
 179 16.1 12.9 19.3





#75
Fluoranthene
Concen: 23.172 ng
RT: 19.259 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

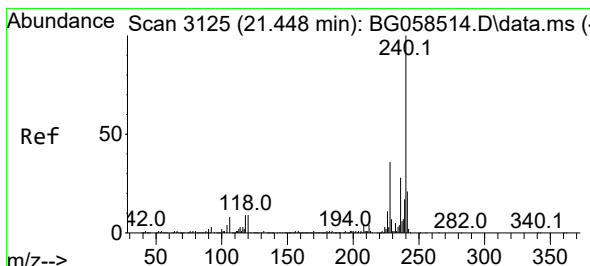
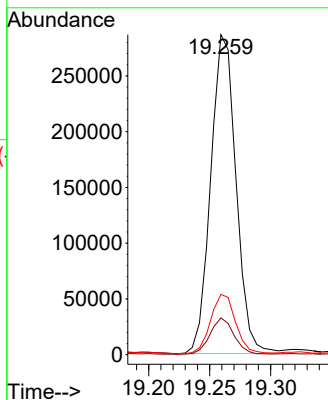
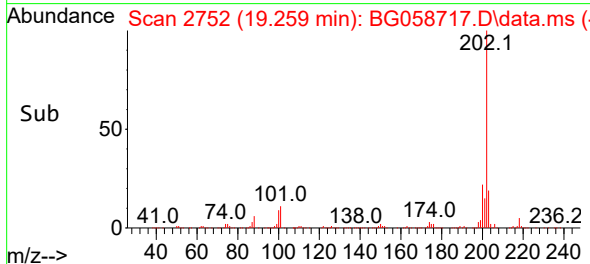
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL



Tgt Ion:202 Resp: 412730
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 18.9 0.0 39.0

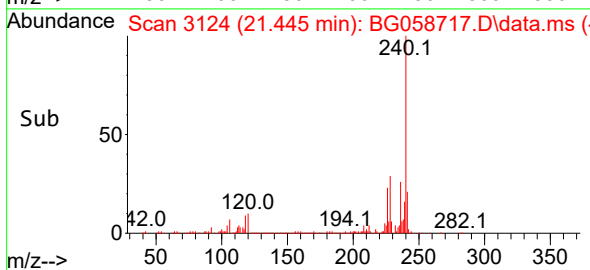
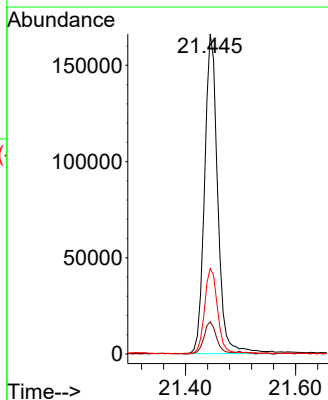
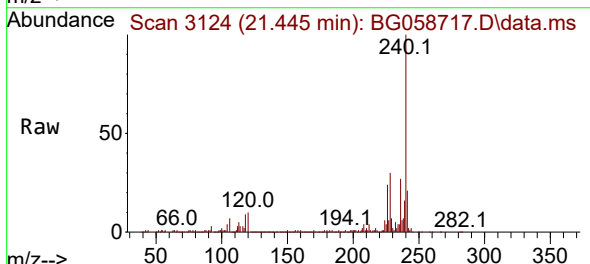
Manual Integrations
APPROVED

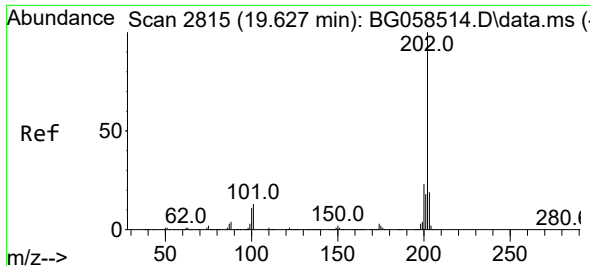
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3124
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

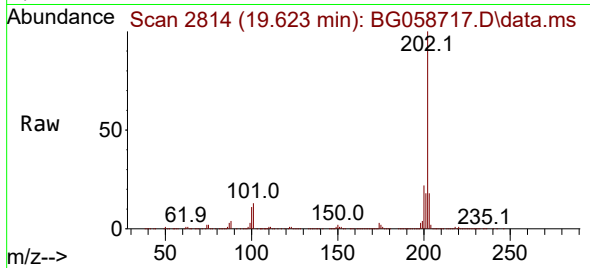
Tgt Ion:240 Resp: 275536
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 26.7 22.2 33.4





#78
Pyrene
Concen: 31.013 ng
RT: 19.623 min Scan# 2815
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

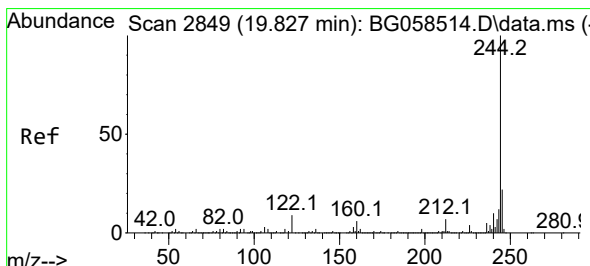
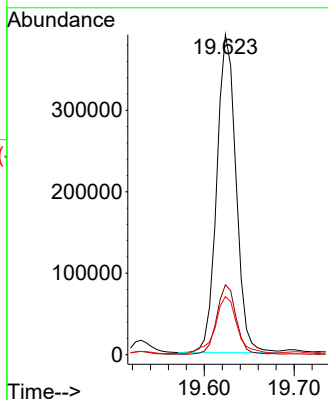
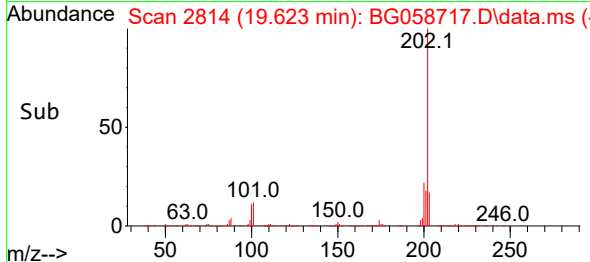
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL



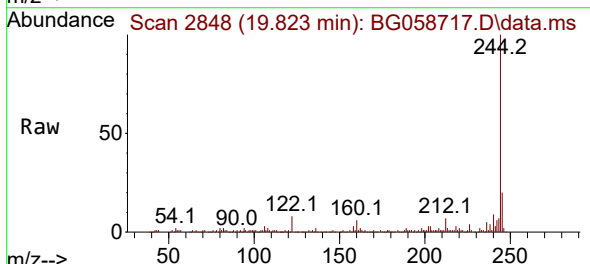
Tgt Ion:202 Resp: 581552
Ion Ratio Lower Upper
202 100
200 21.9 18.2 27.2
203 18.2 15.1 22.7

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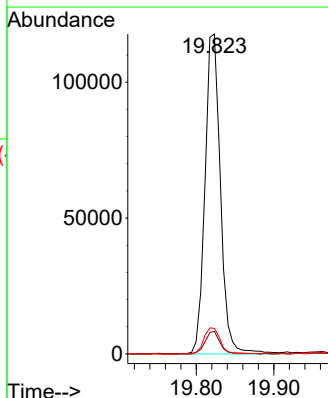
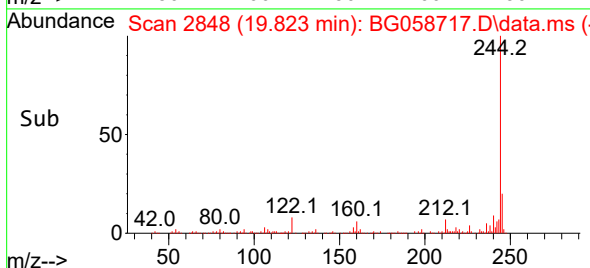
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

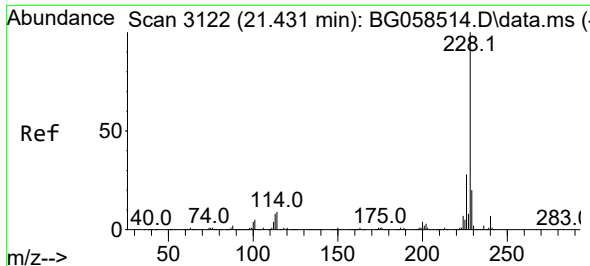


#79
Terphenyl-d14
Concen: 11.129 ng
RT: 19.823 min Scan# 2848
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09



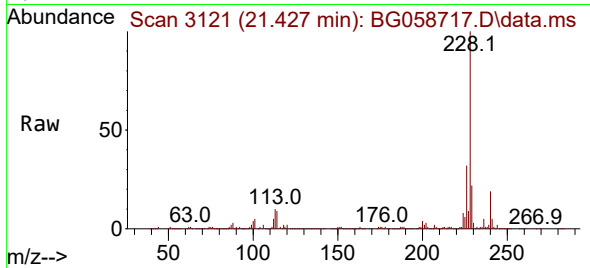
Tgt Ion:244 Resp: 163059
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 8.0 6.8 10.2





#81
Benzo(a)anthracene
Concen: 14.585 ng
RT: 21.427 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

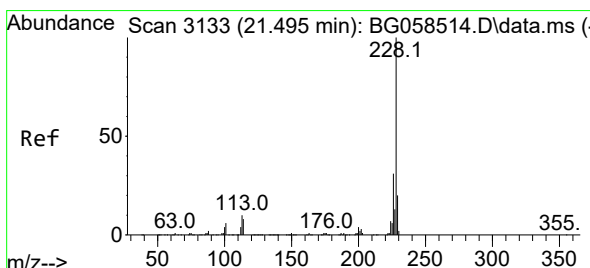
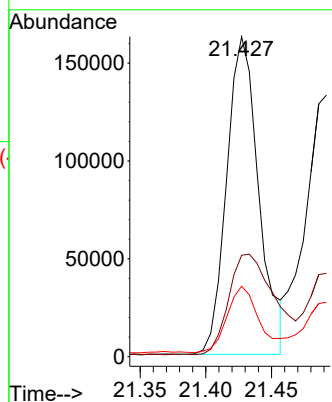
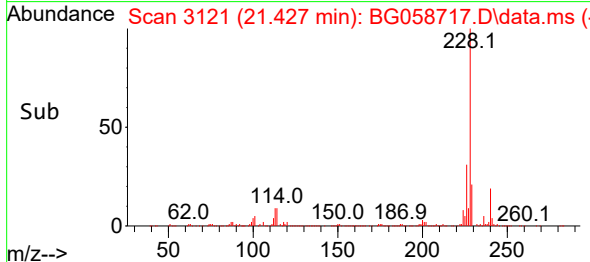
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL



Tgt Ion:228 Resp: 276559
Ion Ratio Lower Upper
228 100
226 31.7 22.6 33.8
229 22.0 16.3 24.5

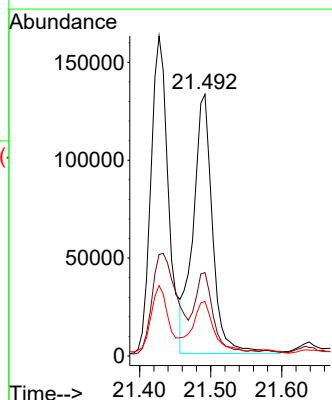
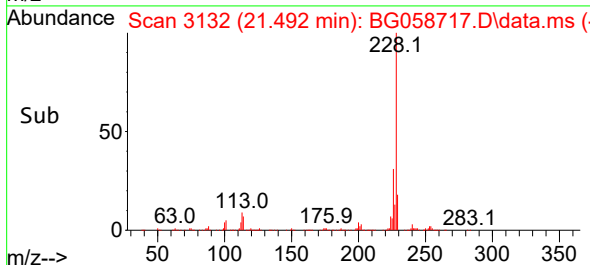
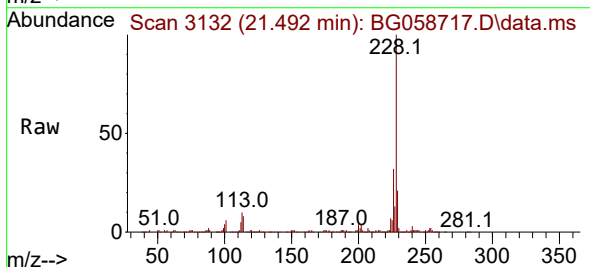
Manual Integrations
APPROVED

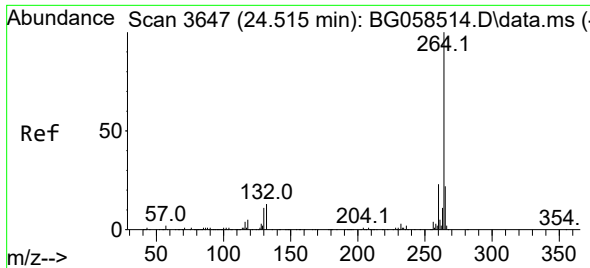
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#83
Chrysene
Concen: 13.874 ng
RT: 21.492 min Scan# 3132
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

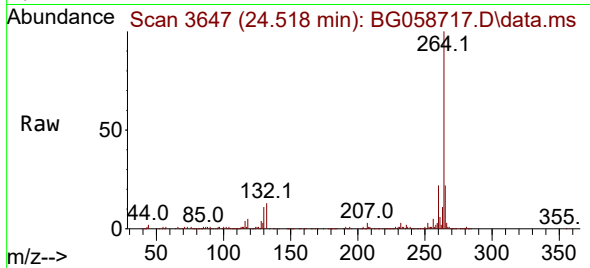
Tgt Ion:228 Resp: 252232
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.6
229 20.8 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.518 min Scan# 3647
Delta R.T. 0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

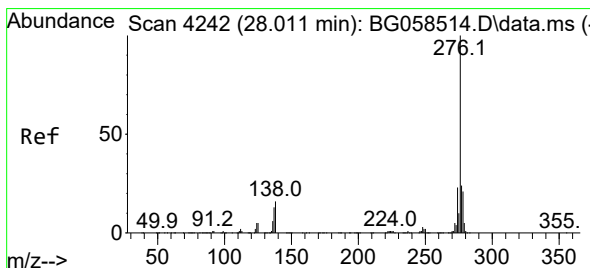
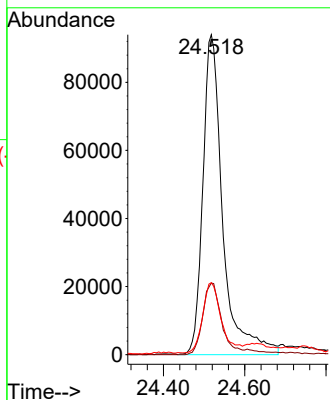
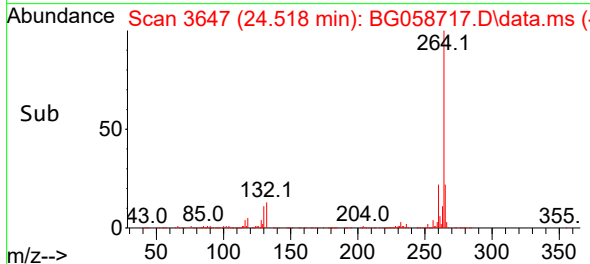
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL



Tgt Ion:264 Resp: 31839
Ion Ratio Lower Upper
264 100
260 22.4 18.4 27.6
265 22.5 17.9 26.9

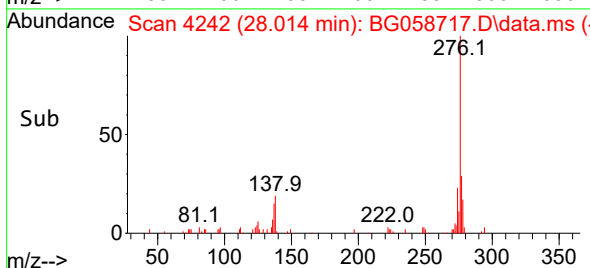
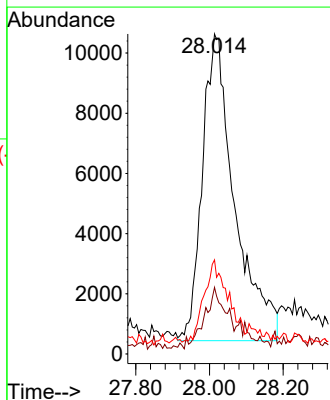
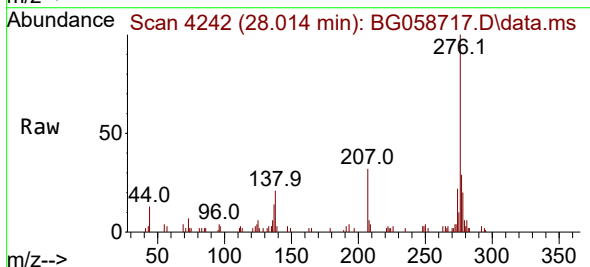
Manual Integrations
APPROVED

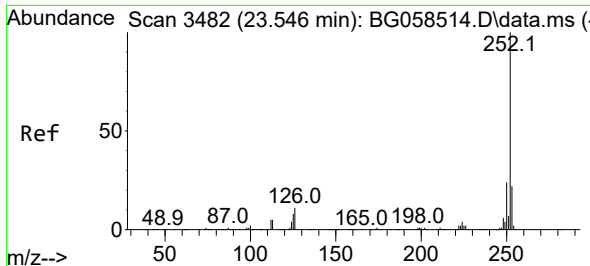
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.937 ng m
RT: 28.014 min Scan# 4242
Delta R.T. 0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

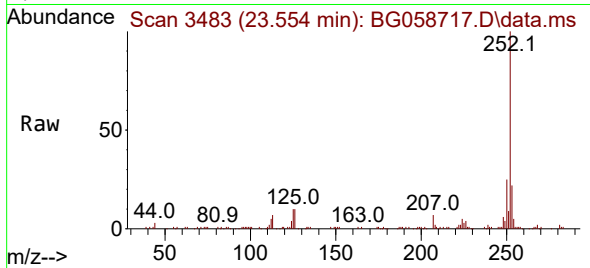
Tgt Ion:276 Resp: 62219
Ion Ratio Lower Upper
276 100
138 10.5 16.0 24.0#
277 19.0 20.4 30.6#





#88
Benzo(b)fluoranthene
Concen: 9.779 ng m
RT: 23.554 min Scan# 3482
Delta R.T. 0.008 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

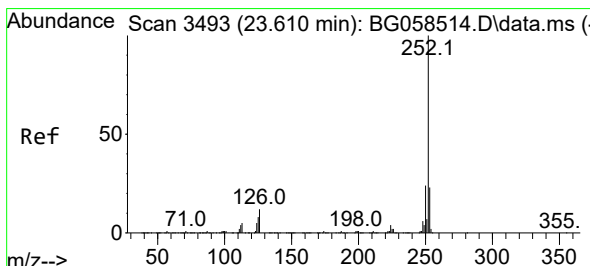
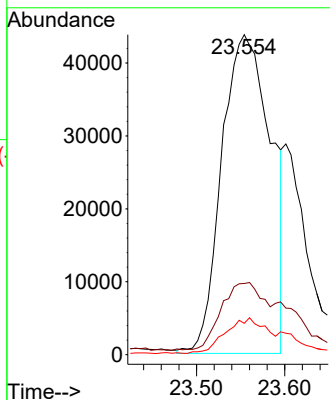
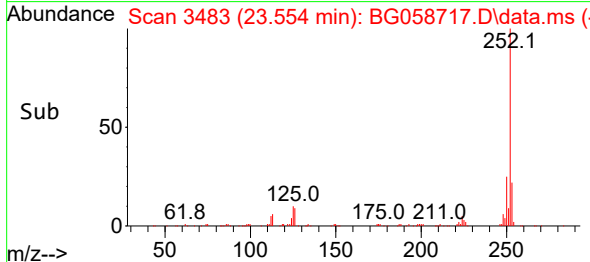
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL



Tgt Ion:252 Resp: 16887
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 9.8 6.6 9.8

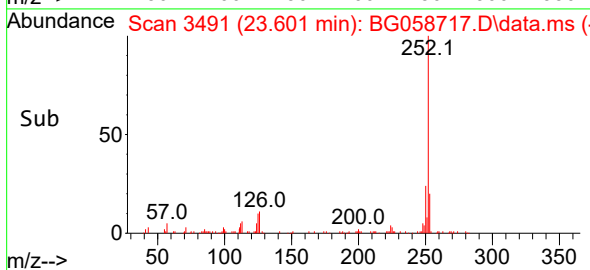
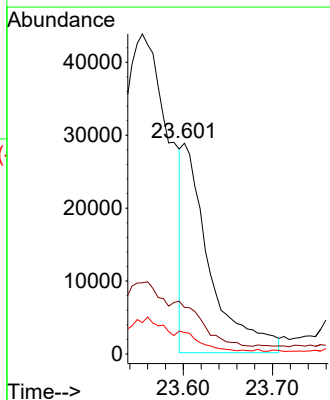
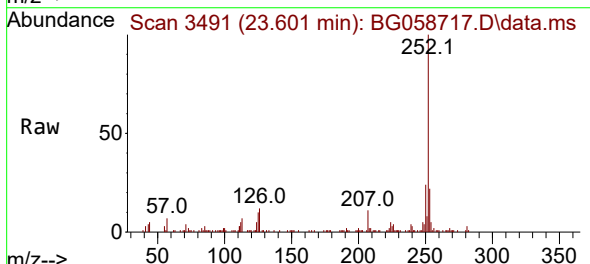
Manual Integrations
APPROVED

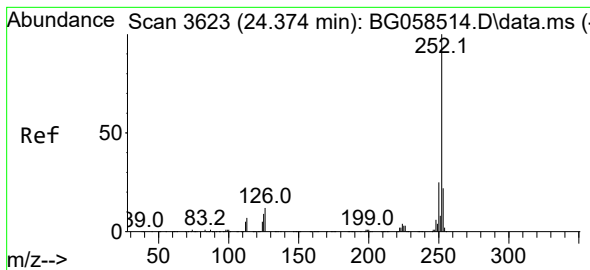
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#89
Benzo(k)fluoranthene
Concen: 3.522 ng m
RT: 23.601 min Scan# 3491
Delta R.T. -0.009 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:252 Resp: 61094
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 10.2 6.6 10.0#





#90

Benzo(a)pyrene

Concen: 11.359 ng

RT: 24.371 min Scan# 3622

Delta R.T. -0.003 min

Lab File: BG058717.D

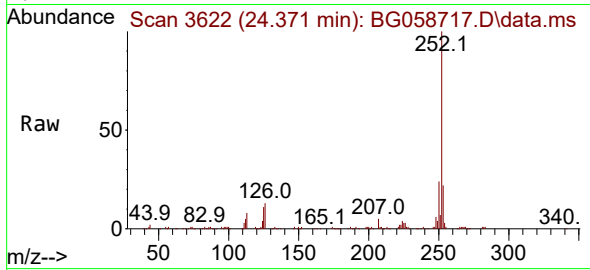
Acq: 14 Aug 2023 11:09

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z46-47DL



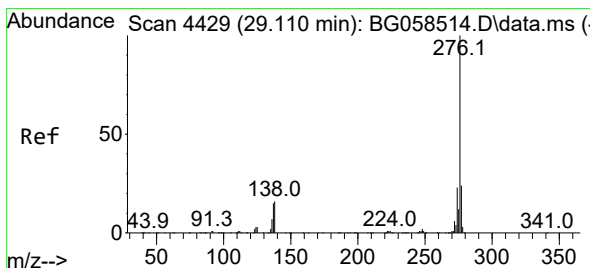
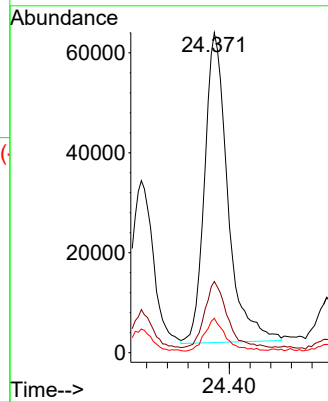
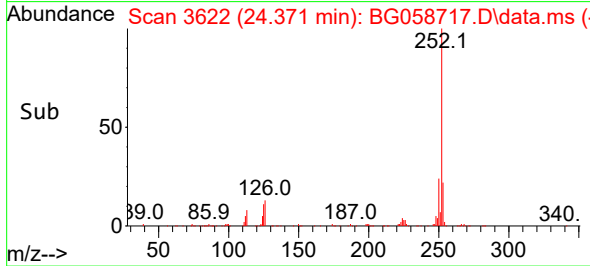
Tgt Ion:	252	Resp:	19264
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	10.7	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#92

Benzo(g,h,i)perylene

Concen: 3.749 ng

RT: 29.112 min Scan# 4429

Delta R.T. 0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

Tgt Ion:	276	Resp:	65840
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.9	28.3
138	19.2	13.0	19.4

