

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058719.D
 Acq On : 14 Aug 2023 12:31
 Operator : MA/JU
 Sample : 03958-05DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL

Quant Time: Aug 14 13:05:09 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	40700	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	177475	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	131107	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	295220	20.000	ng	0.00
76) Chrysene-d12	21.445	240	253603	20.000	ng	0.00
86) Perylene-d12	24.518	264	305937	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	24245	9.105	ng	0.00
7) Phenol-d6	6.985	99	33609	9.071	ng	0.00
23) Nitrobenzene-d5	8.977	82	20659	5.718	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	13316	6.197	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	52634	6.016	ng	0.00
79) Terphenyl-d14	19.823	244	88934	6.595	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.675	128	2760178	295.081	ng	96
37) 2-Methylnaphthalene	12.279	142	880864	131.648	ng	96
38) 1-Methylnaphthalene	12.496	142	633060	99.532	ng	99
46) 1,1'-Biphenyl	13.290	154	145172	16.123	ng	99
49) Acenaphthylene	14.183	152	70880	6.031	ng	# 85
52) Acenaphthene	14.523	154	497628	73.273	ng	98
55) Dibenzofuran	14.858	168	43167	3.699	ng	# 82
58) Fluorene	15.505	166	301560	32.528	ng	99
71) Phenanthrene	17.250	178	1338673	95.615	ng	98
72) Anthracene	17.338	178	408974	28.469	ng	99
75) Fluoranthene	19.265	202	597985	35.557	ng	100
78) Pyrene	19.623	202	860984	49.886	ng	99
81) Benzo(a)anthracene	21.427	228	413693	23.704	ng	95
83) Chrysene	21.492	228	366169	21.882	ng	97
87) Indeno(1,2,3-cd)pyrene	28.008	276	81029	3.981	ng	# 84
88) Benzo(b)fluoranthene	23.548	252	220219	13.272	ng	# 94
89) Benzo(k)fluoranthene	23.595	252	83781m	5.026	ng	
90) Benzo(a)pyrene	24.371	252	285668	17.530	ng	98
92) Benzo(g,h,i)perylene	29.106	276	94052m	5.573	ng	

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

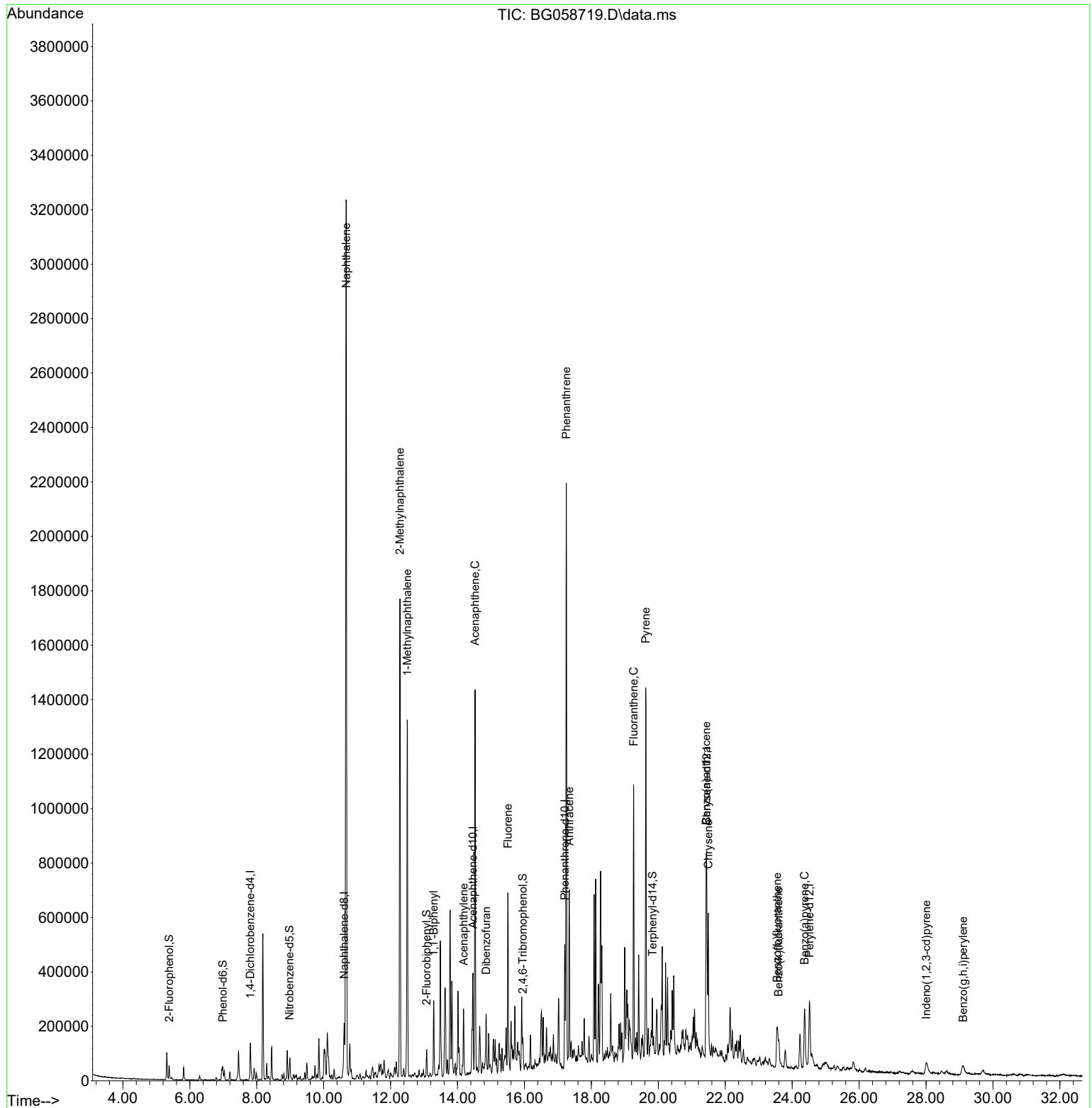
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
Data File : BG058719.D
Acq On : 14 Aug 2023 12:31
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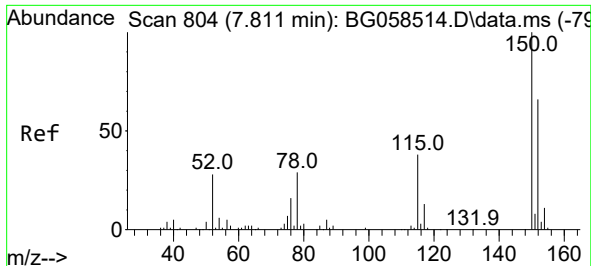
Instrument :
BNA_G
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NEVINS-SB02-Z37-39DL

Quant Time: Aug 14 13:05:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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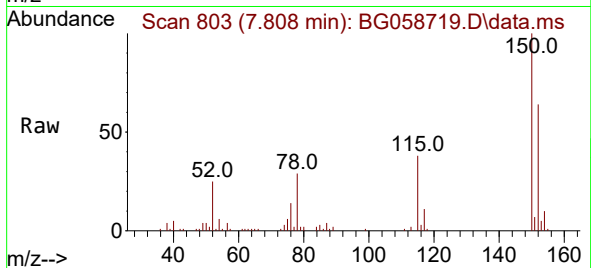
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

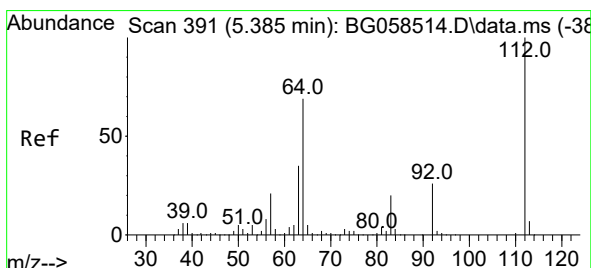
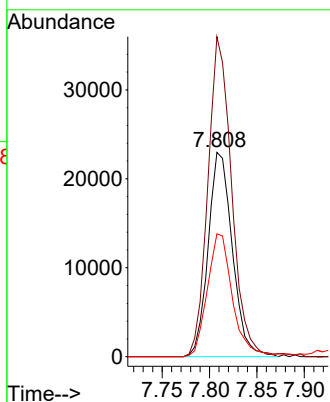
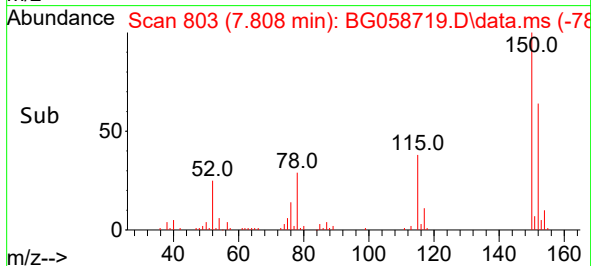
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



Tgt Ion:152 Resp: 40700
Ion Ratio Lower Upper
152 100
150 156.6 120.5 180.7
115 60.1 45.9 68.9

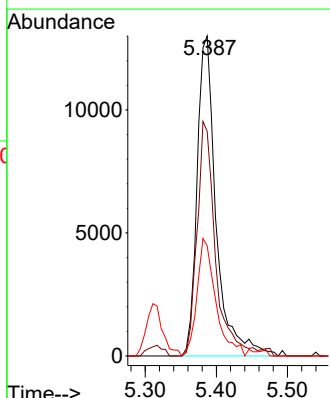
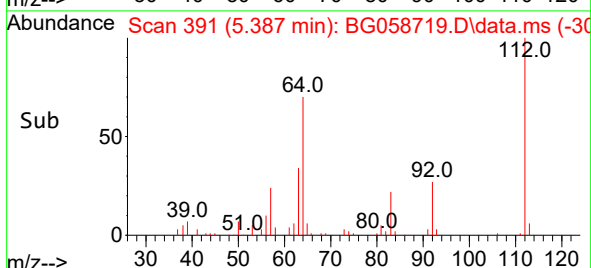
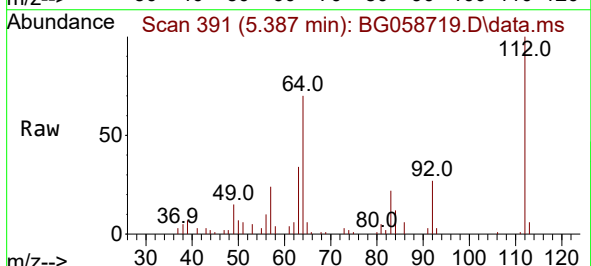
Manual Integrations
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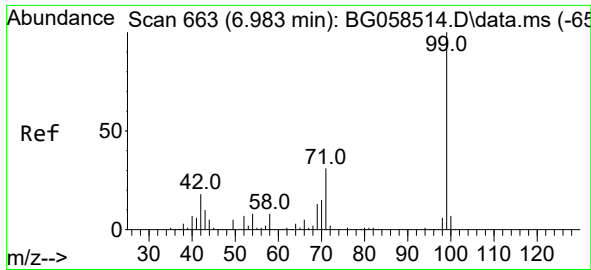
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#5
2-Fluorophenol
Concen: 9.105 ng
RT: 5.387 min Scan# 391
Delta R.T. 0.002 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

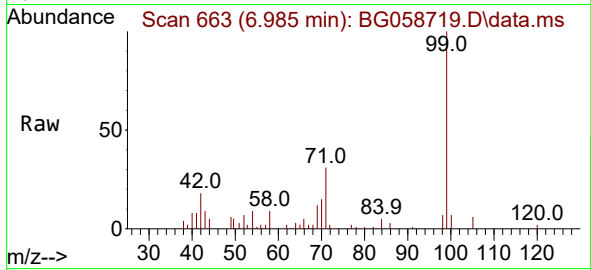
Tgt Ion:112 Resp: 24245
Ion Ratio Lower Upper
112 100
64 70.2 55.3 82.9
63 34.4 28.3 42.5





#7
Phenol-d6
Concen: 9.071 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

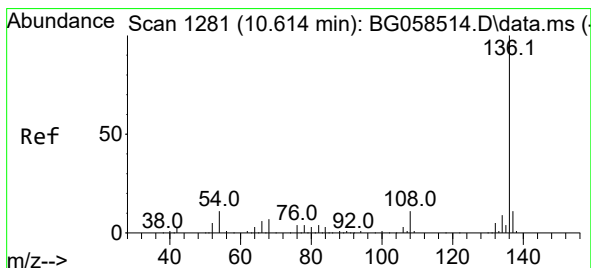
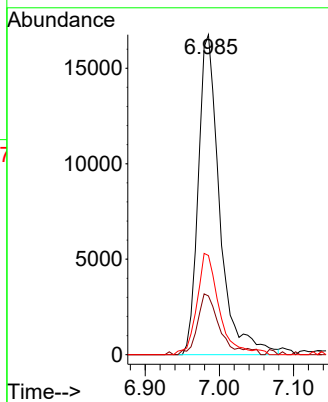
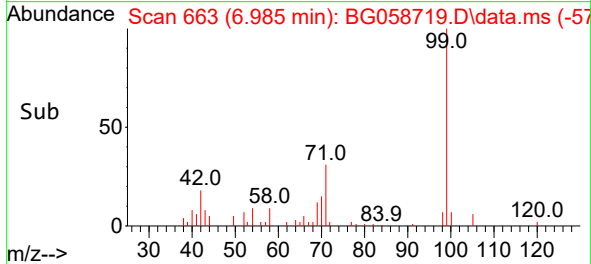
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



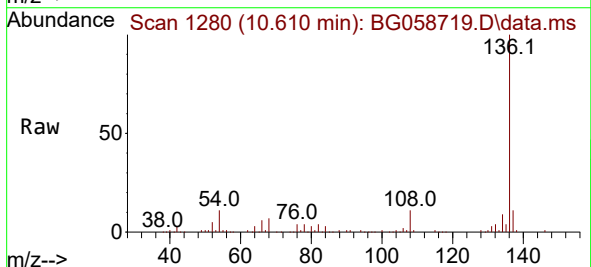
Tgt Ion: 99 Resp: 33609
Ion Ratio Lower Upper
99 100
42 18.4 14.6 21.8
71 31.0 25.0 37.4

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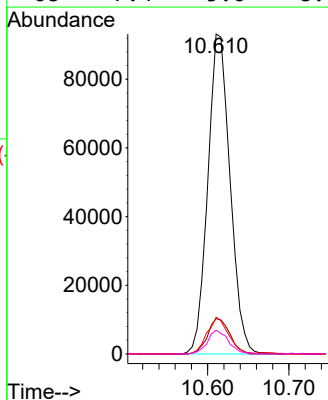
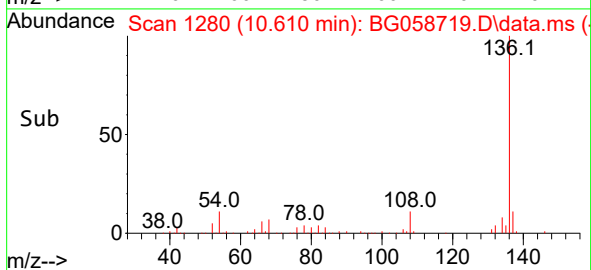
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

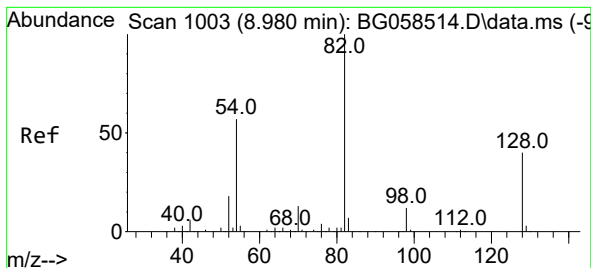


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31



Tgt Ion:136 Resp: 177475
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 11.4 8.9 13.3
68 7.4 5.6 8.4





#23

Nitrobenzene-d5

Concen: 5.718 ng

RT: 8.977 min Scan# 1003

Delta R.T. -0.003 min

Lab File: BG058719.D

Acq: 14 Aug 2023 12:31

Instrument :

BNA_G

ClientSampleId :

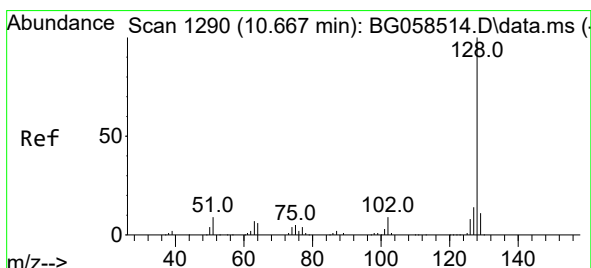
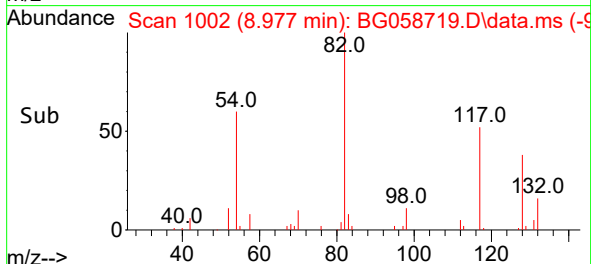
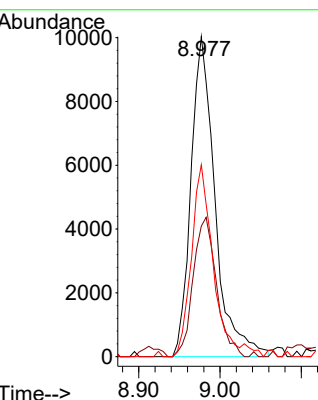
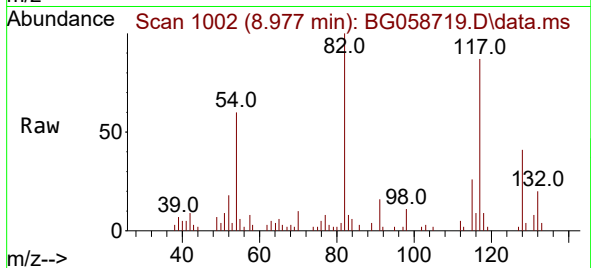
NEVINS-SB02-Z37-39DL

Tgt Ion: 82	Resp: 2065
Ion Ratio	Lower Upper
82 100	
128 40.8	32.2 48.2
54 60.0	46.0 69.0

Manual Integrations

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



#31

Naphthalene

Concen: 295.081 ng

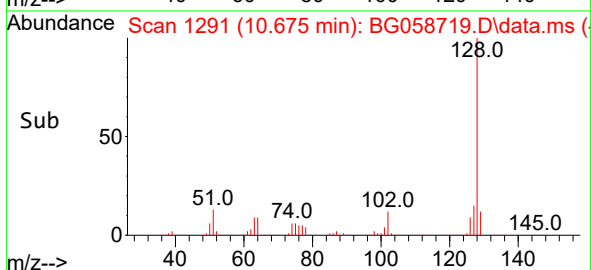
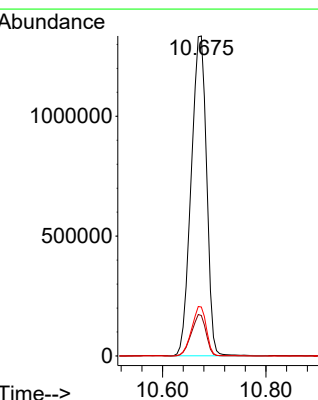
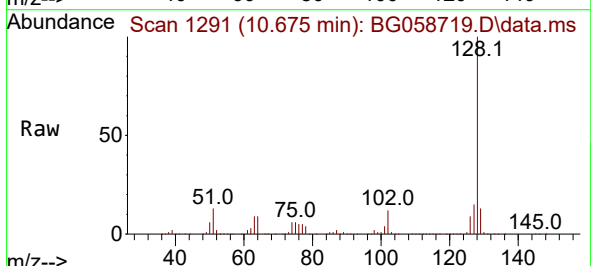
RT: 10.675 min Scan# 1291

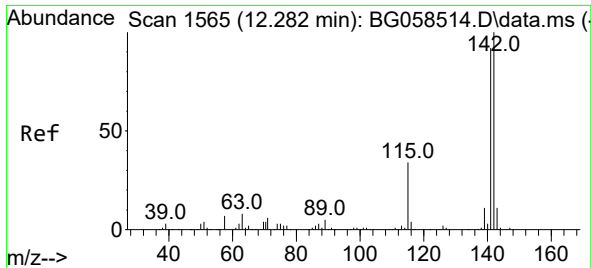
Delta R.T. 0.008 min

Lab File: BG058719.D

Acq: 14 Aug 2023 12:31

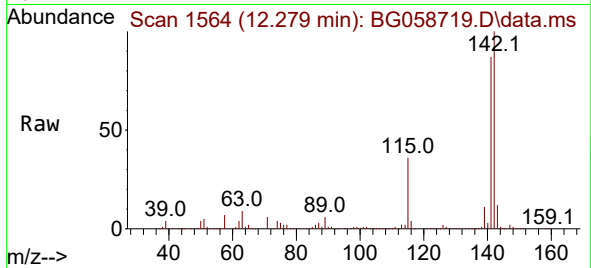
Tgt Ion:128	Resp: 2760178
Ion Ratio	Lower Upper
128 100	
129 12.7	8.8 13.2
127 15.3	10.9 16.3





#37
2-Methylnaphthalene
Concen: 131.648 ng
RT: 12.279 min Scan# 1564
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

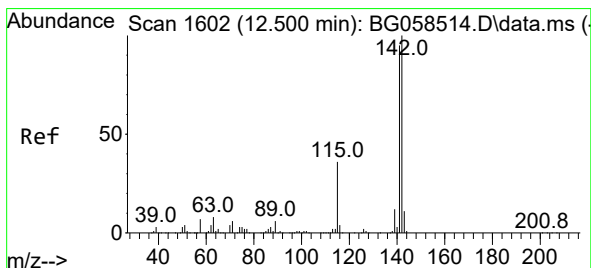
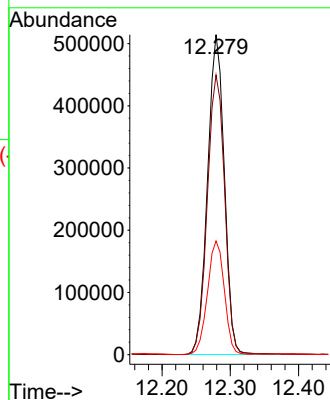
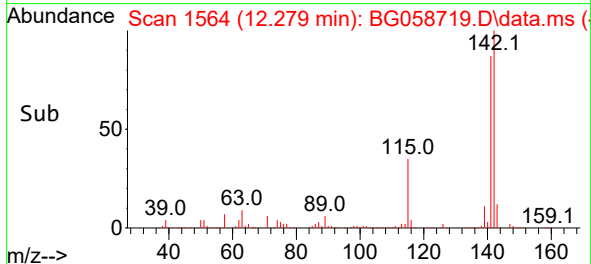
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



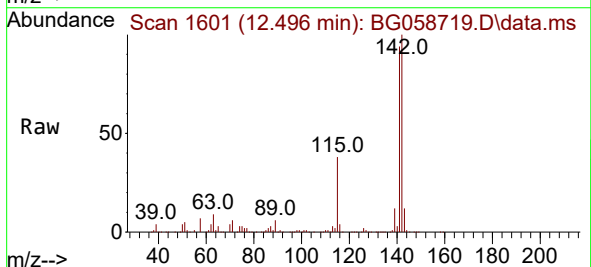
Tgt Ion:142 Resp: 880864
Ion Ratio Lower Upper
142 100
141 87.4 73.5 110.3
115 35.6 27.4 41.0

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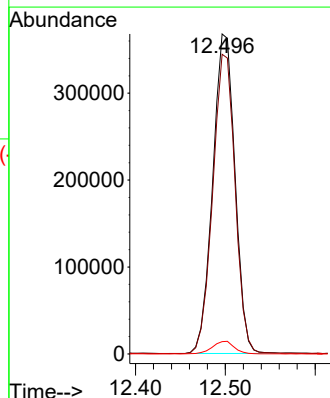
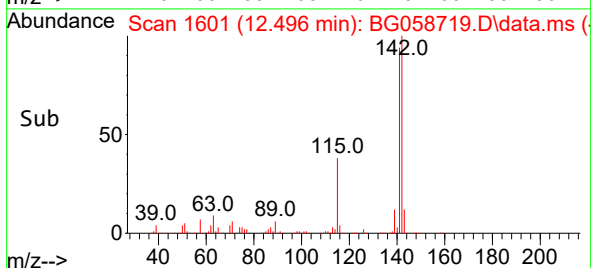
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

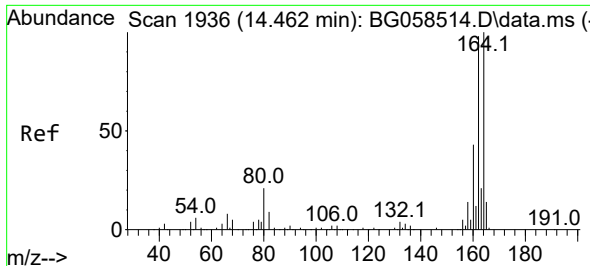


#38
1-Methylnaphthalene
Concen: 99.532 ng
RT: 12.496 min Scan# 1601
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31



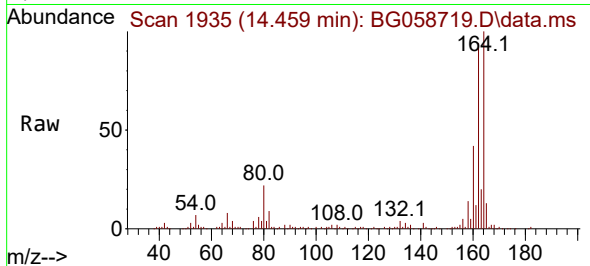
Tgt Ion:142 Resp: 633060
Ion Ratio Lower Upper
142 100
141 93.6 75.7 113.5
116 3.9 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

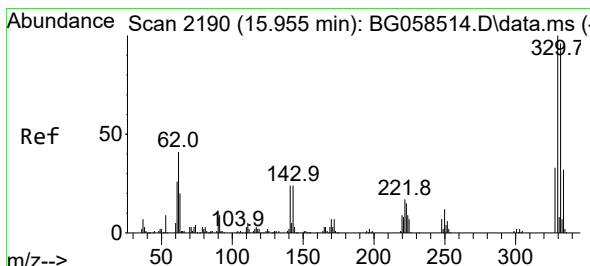
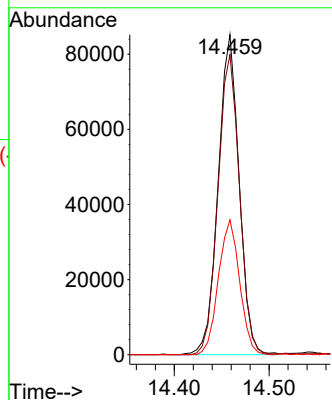
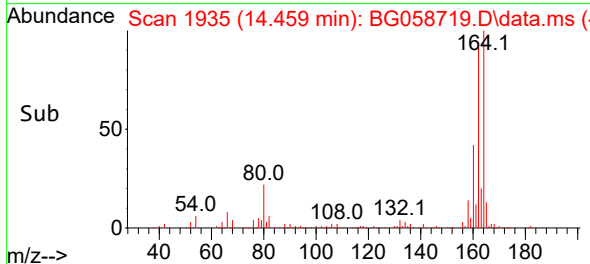
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



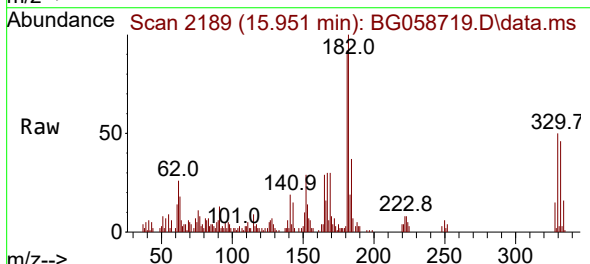
Tgt Ion:164 Resp: 13110
Ion Ratio Lower Upper
164 100
162 93.8 78.3 117.5
160 42.1 34.1 51.1

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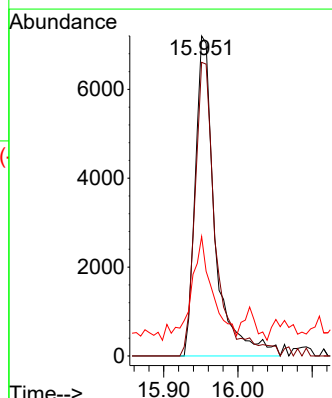
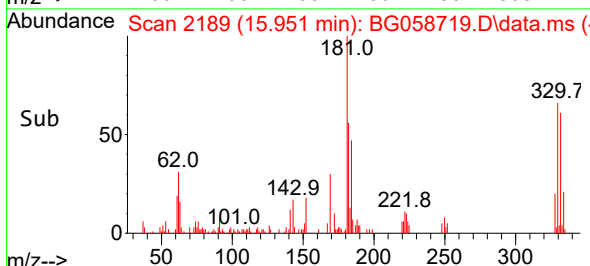
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

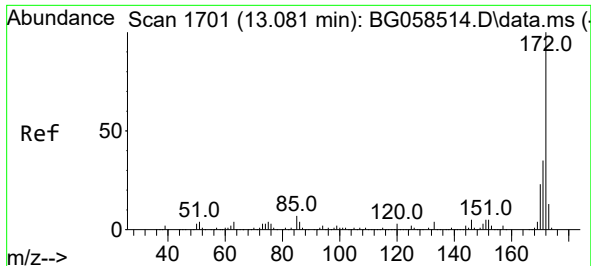


#42
2,4,6-Tribromophenol
Concen: 6.197 ng
RT: 15.951 min Scan# 2189
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31



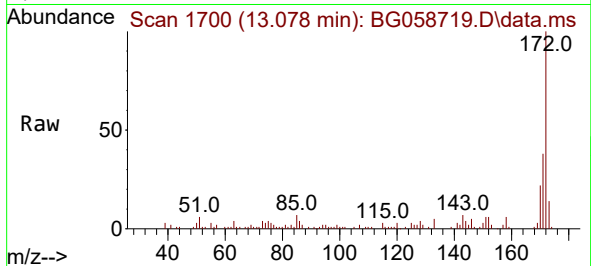
Tgt Ion:330 Resp: 13316
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 35.4 20.7 31.1#





#45
2-Fluorobiphenyl
Concen: 6.016 ng
RT: 13.078 min Scan# 1700
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

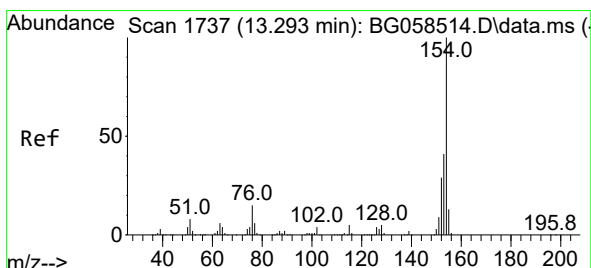
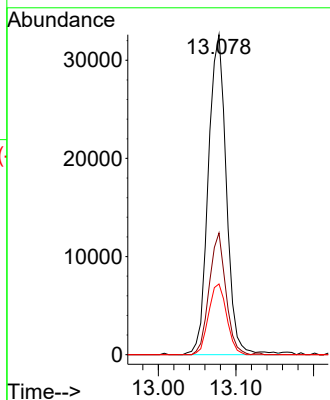
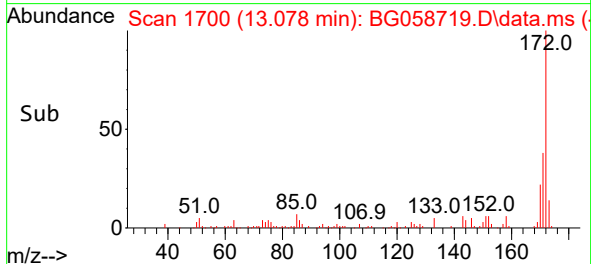
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



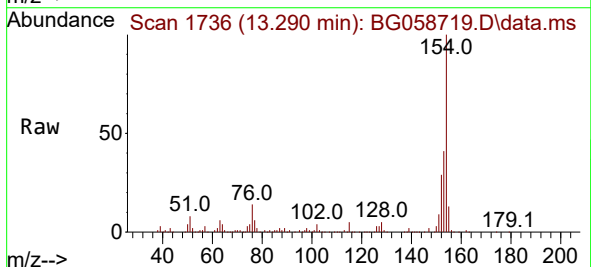
Tgt Ion:172 Resp: 52634
Ion Ratio Lower Upper
172 100
171 38.0 28.0 42.0
170 22.1 18.4 27.6

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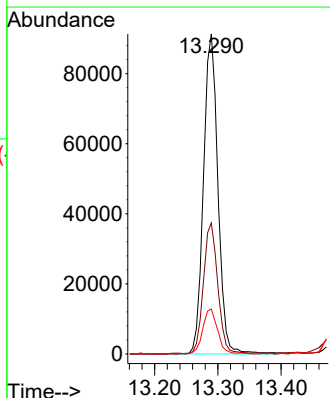
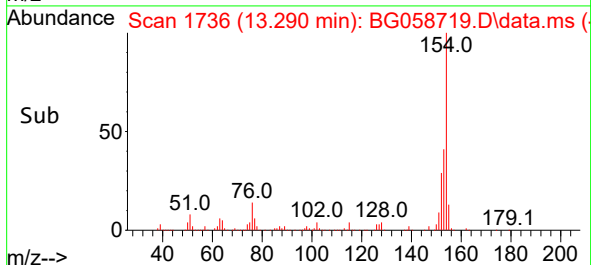
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

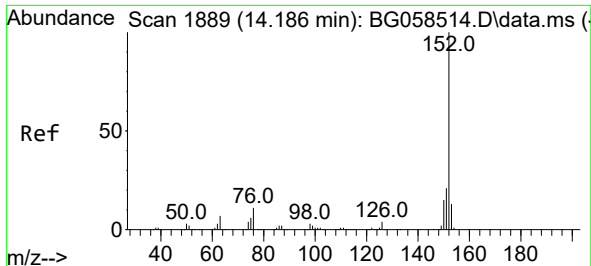


#46
1,1'-Biphenyl
Concen: 16.123 ng
RT: 13.290 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31



Tgt Ion:154 Resp: 145172
Ion Ratio Lower Upper
154 100
153 41.0 21.2 61.2
76 14.0 0.0 34.7





#49

Acenaphthylene

Concen: 6.031 ng

RT: 14.183 min Scan# 1889

Delta R.T. -0.003 min

Lab File: BG058719.D

Acq: 14 Aug 2023 12:31

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z37-39DL

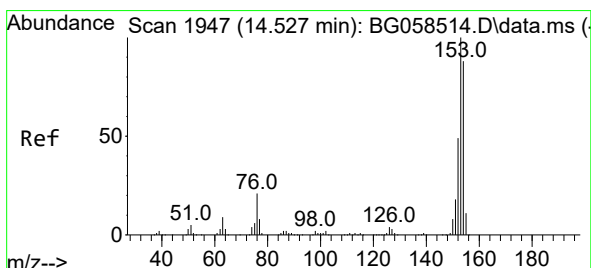
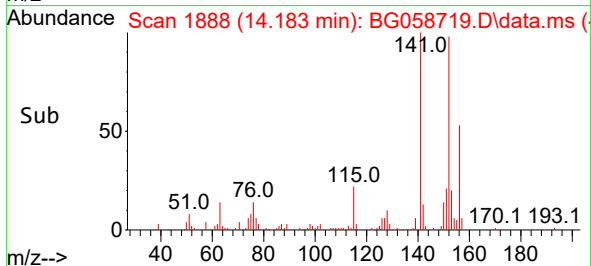
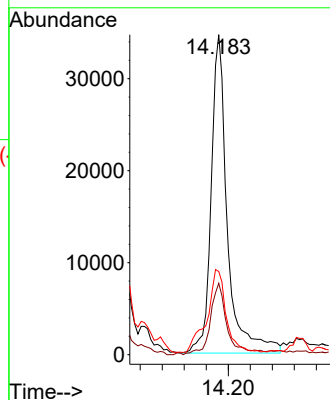
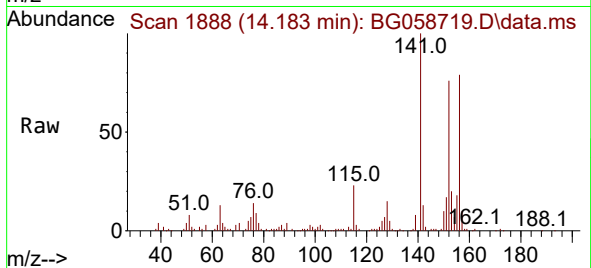
Tgt Ion:	152	Resp:	70880
Ion Ratio	Lower	Upper	
152	100		
151	22.3	16.5	24.7
153	26.0	10.7	16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#52

Acenaphthene

Concen: 73.273 ng

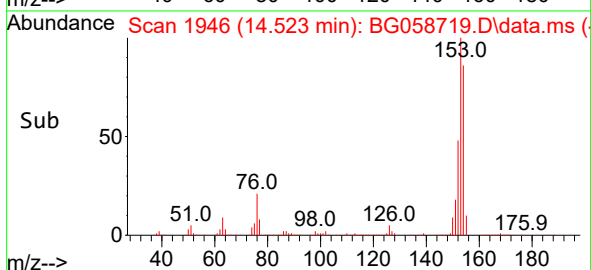
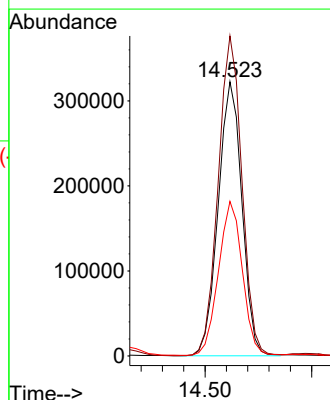
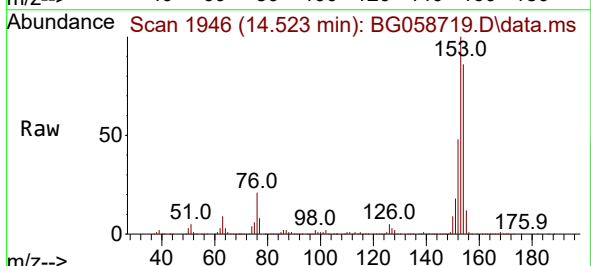
RT: 14.523 min Scan# 1946

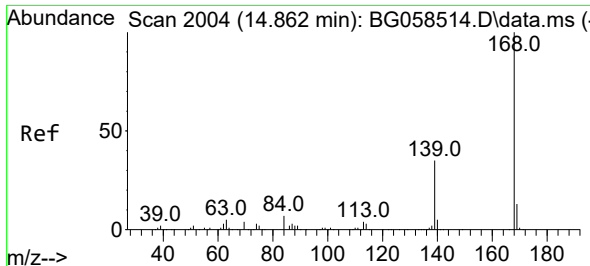
Delta R.T. -0.003 min

Lab File: BG058719.D

Acq: 14 Aug 2023 12:31

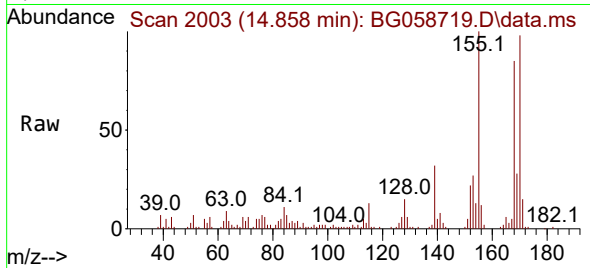
Tgt Ion:	154	Resp:	497628
Ion Ratio	Lower	Upper	
154	100		
153	116.7	91.1	136.7
152	56.4	44.6	66.8





#55
Dibenzofuran
Concen: 3.699 ng
RT: 14.858 min Scan# 2003
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

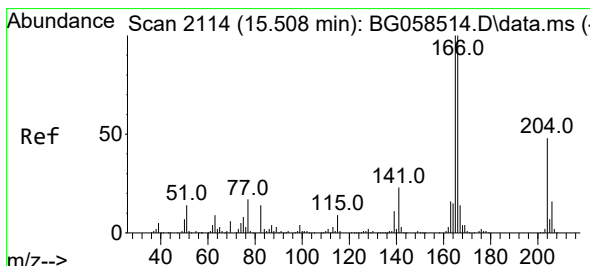
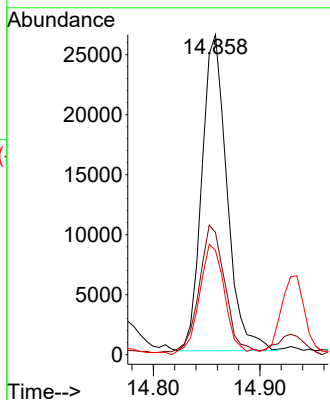
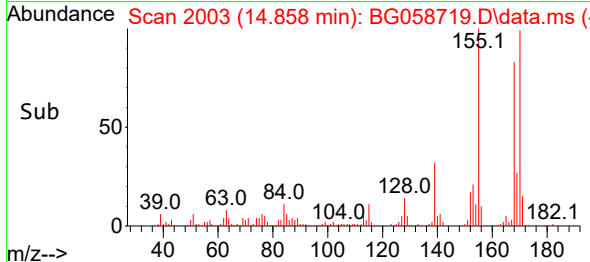
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



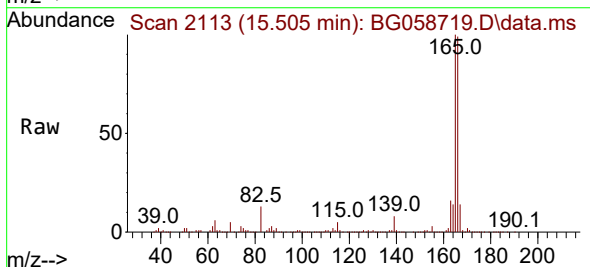
Tgt Ion:168 Resp: 4316
Ion Ratio Lower Upper
168 100
139 38.2 27.8 41.8
169 32.6 10.6 16.0

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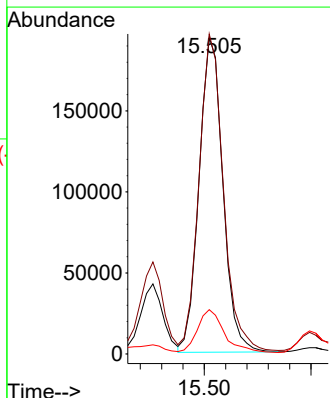
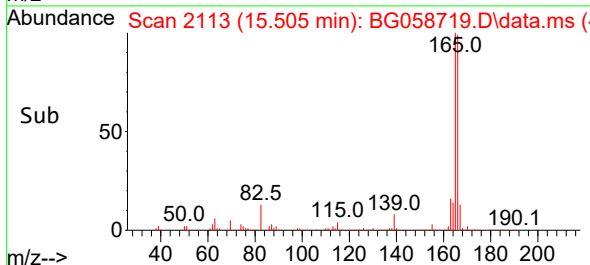
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

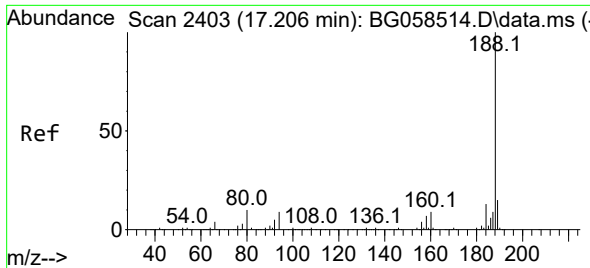


#58
Fluorene
Concen: 32.528 ng
RT: 15.505 min Scan# 2113
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31



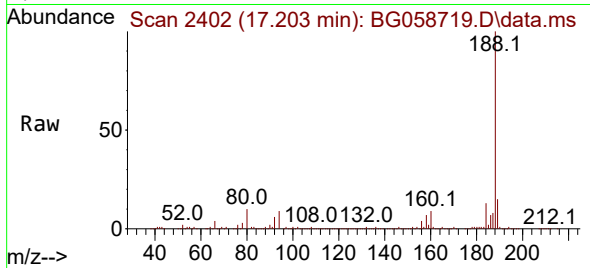
Tgt Ion:166 Resp: 301560
Ion Ratio Lower Upper
166 100
165 101.1 80.0 120.0
167 14.0 11.3 16.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 2403
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

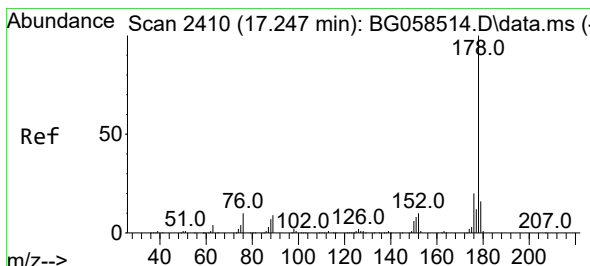
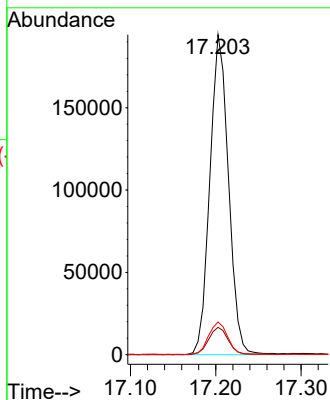
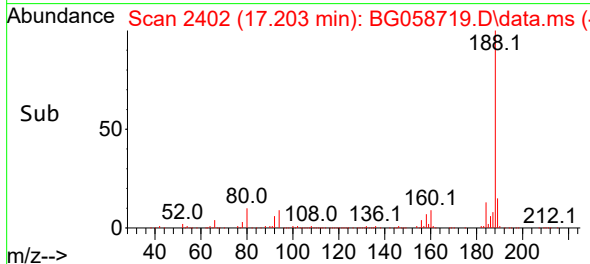
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



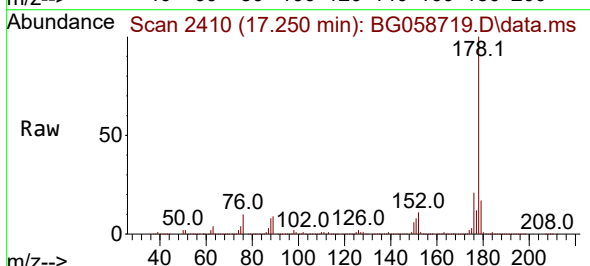
Tgt Ion:188 Resp: 295220
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 10.2 8.1 12.1

Manual Integrations
APPROVED

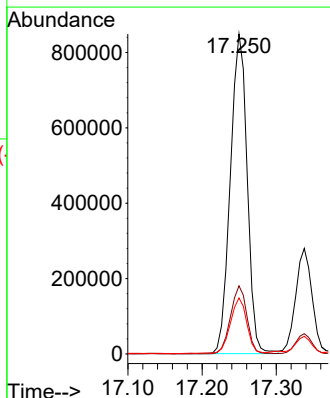
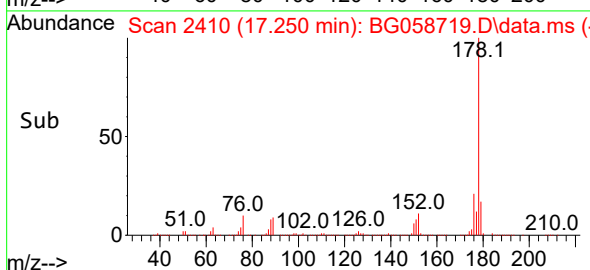
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

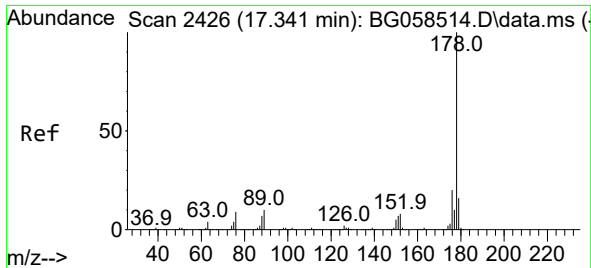


#71
Phenanthrene
Concen: 95.615 ng
RT: 17.250 min Scan# 2410
Delta R.T. 0.002 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31



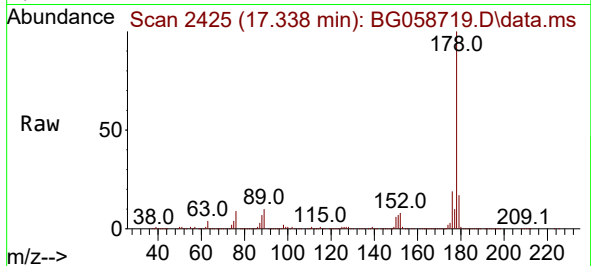
Tgt Ion:178 Resp: 1338673
Ion Ratio Lower Upper
178 100
176 21.3 16.3 24.5
179 17.5 13.1 19.7





#72
 Anthracene
 Concen: 28.469 ng
 RT: 17.338 min Scan# 2426
 Delta R.T. -0.003 min
 Lab File: BG058719.D
 Acq: 14 Aug 2023 12:31

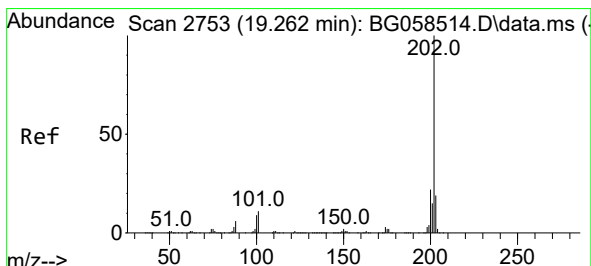
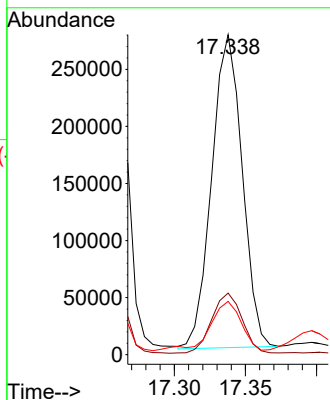
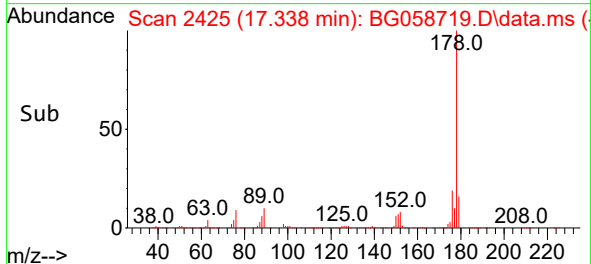
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL



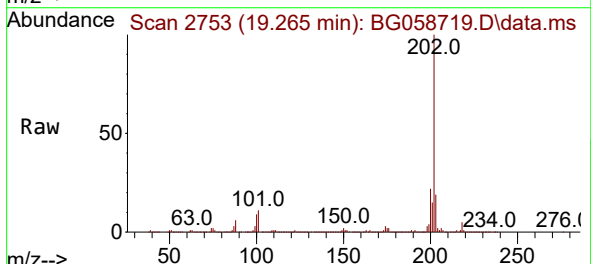
Tgt Ion:178 Resp: 408974
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.0 24.0
 179 16.7 12.9 19.3

Manual Integrations
 APPROVED

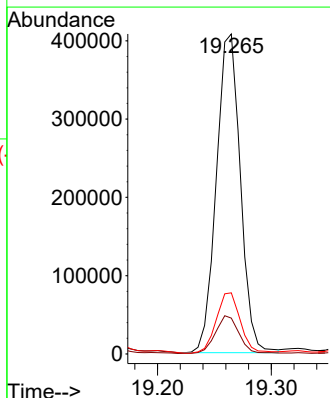
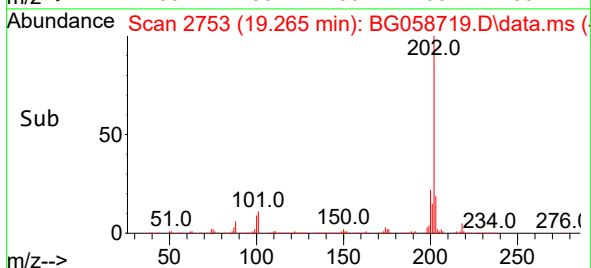
Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023

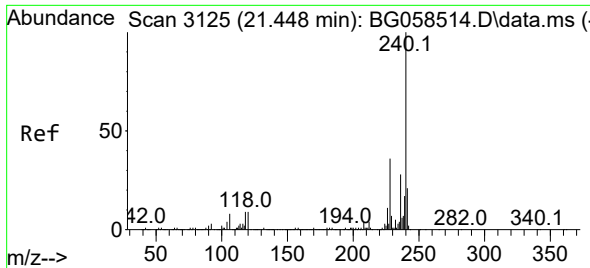


#75
 Fluoranthene
 Concen: 35.557 ng
 RT: 19.265 min Scan# 2753
 Delta R.T. 0.002 min
 Lab File: BG058719.D
 Acq: 14 Aug 2023 12:31



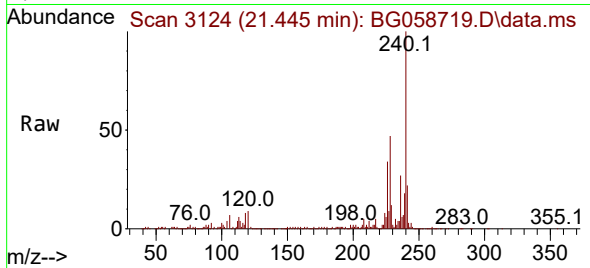
Tgt Ion:202 Resp: 597985
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.4
 203 19.1 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3125
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

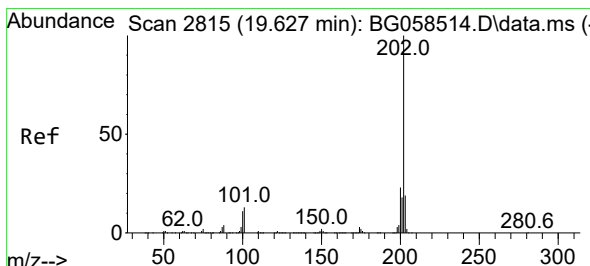
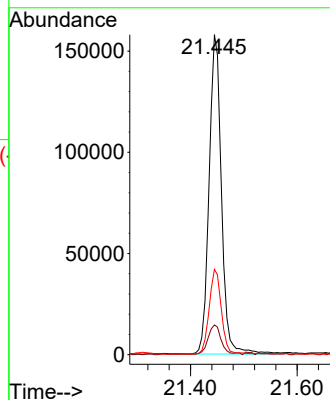
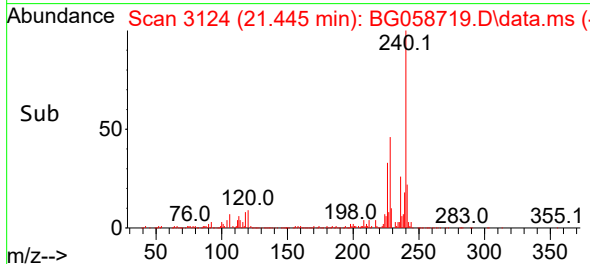
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



Tgt Ion:240 Resp: 253600
Ion Ratio Lower Upper
240 100
120 9.3 7.4 11.0
236 26.7 22.2 33.4

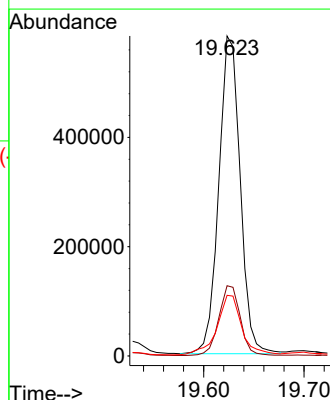
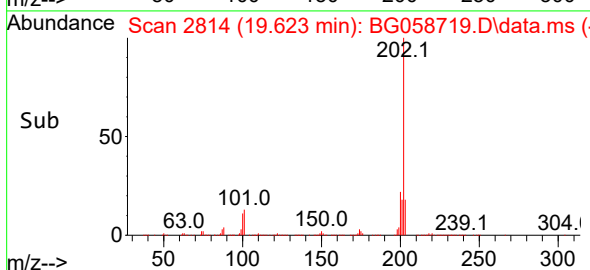
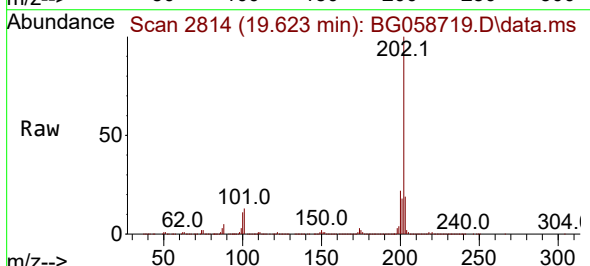
Manual Integrations
APPROVED

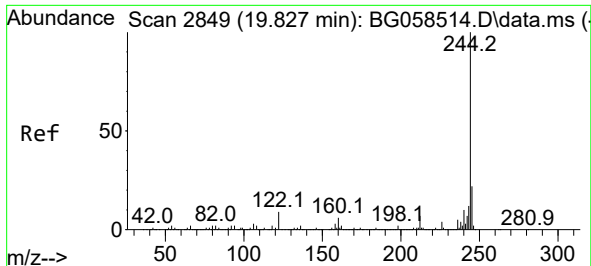
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#78
Pyrene
Concen: 49.886 ng
RT: 19.623 min Scan# 2814
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

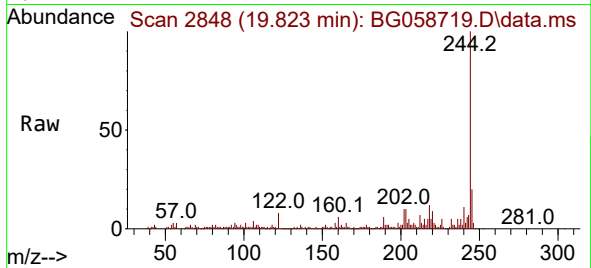
Tgt Ion:202 Resp: 860984
Ion Ratio Lower Upper
202 100
200 22.0 18.2 27.2
203 18.9 15.1 22.7





#79
 Terphenyl-d14
 Concen: 6.595 ng
 RT: 19.823 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG058719.D
 Acq: 14 Aug 2023 12:31

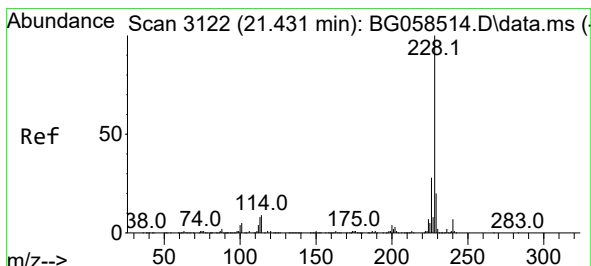
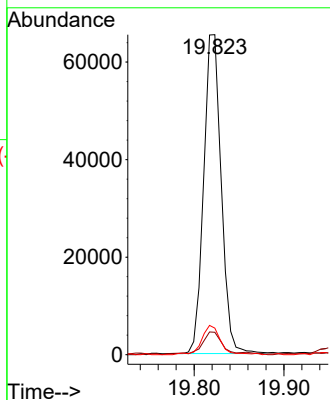
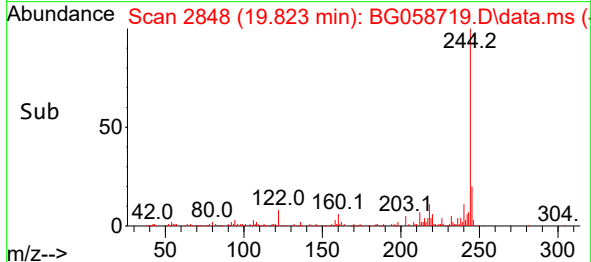
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL



Tgt Ion:244 Resp: 88934
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 8.3 6.8 10.2

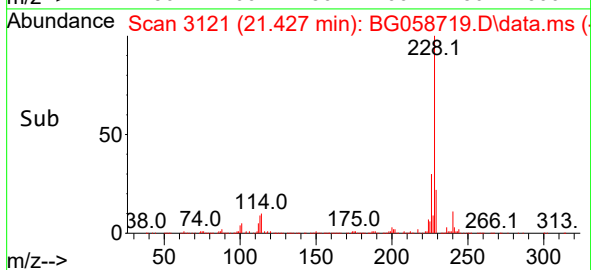
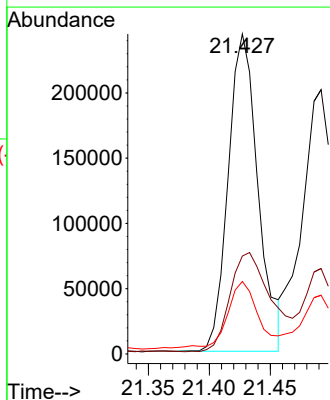
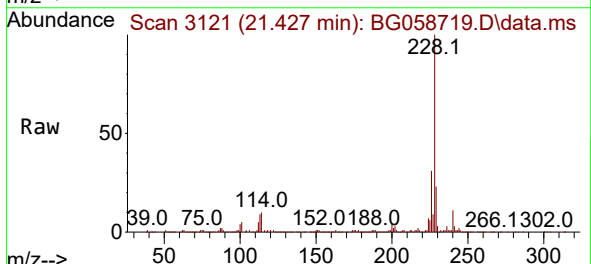
Manual Integrations
 APPROVED

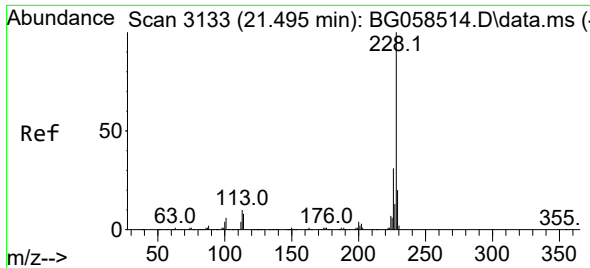
Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023



#81
 Benzo(a)anthracene
 Concen: 23.704 ng
 RT: 21.427 min Scan# 3121
 Delta R.T. -0.003 min
 Lab File: BG058719.D
 Acq: 14 Aug 2023 12:31

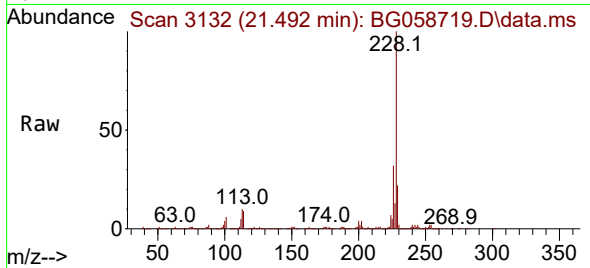
Tgt Ion:228 Resp: 413693
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.6 33.8
 229 22.7 16.3 24.5





#83
Chrysene
Concen: 21.882 ng
RT: 21.492 min Scan# 3133
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

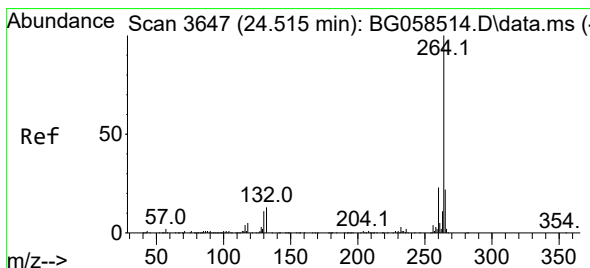
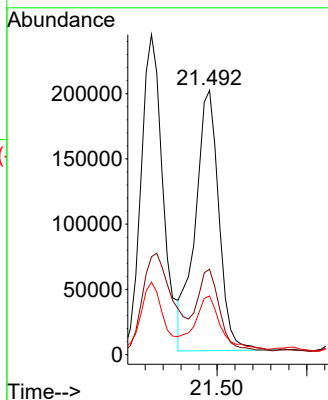
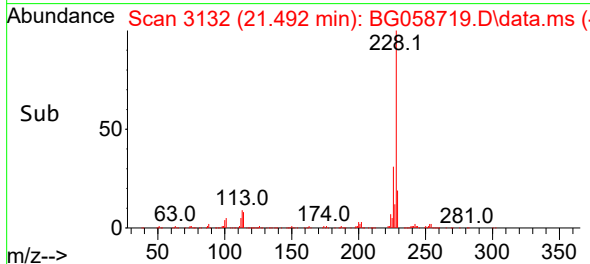
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



Tgt Ion:228 Resp: 366169
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.6
229 22.2 16.3 24.5

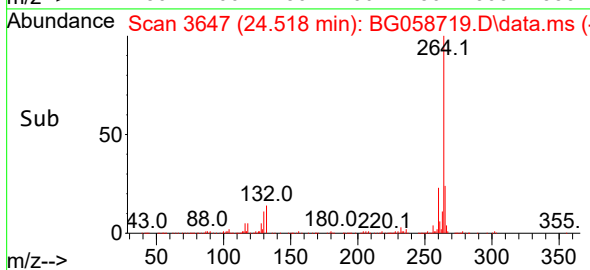
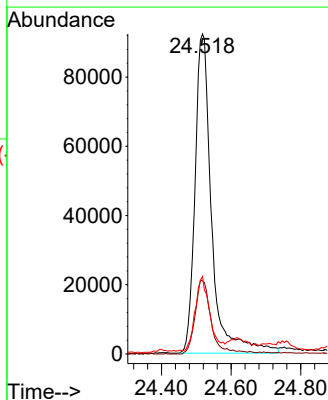
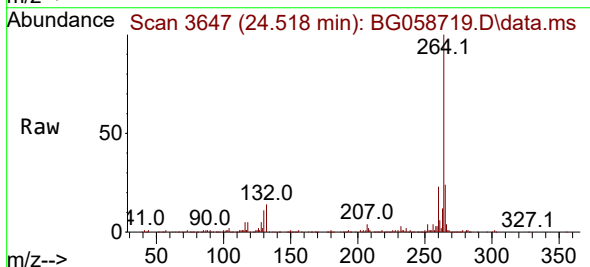
Manual Integrations
APPROVED

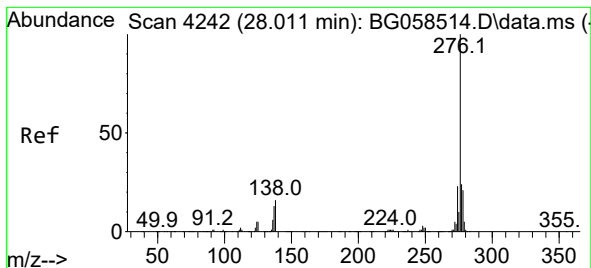
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.518 min Scan# 3647
Delta R.T. 0.002 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

Tgt Ion:264 Resp: 305937
Ion Ratio Lower Upper
264 100
260 22.9 18.4 27.6
265 24.2 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.981 ng

RT: 28.008 min Scan# 4241

Delta R.T. -0.003 min

Lab File: BG058719.D

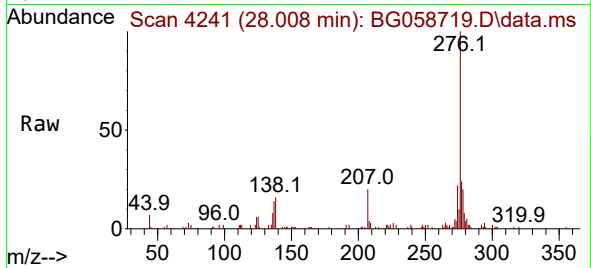
Acq: 14 Aug 2023 12:31

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z37-39DL



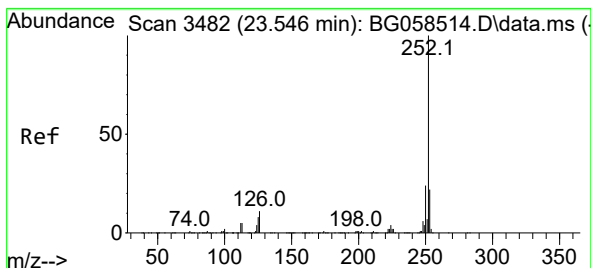
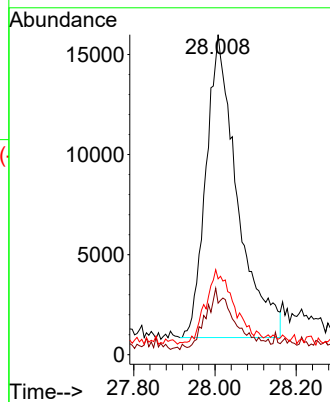
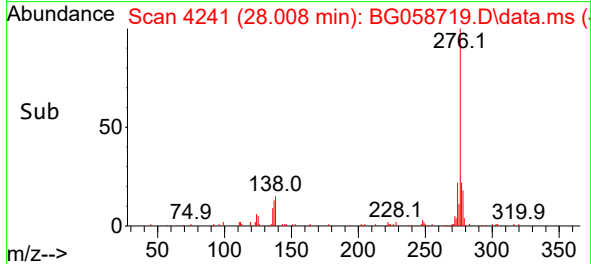
Tgt Ion:	276	Resp:	81029
Ion Ratio	Lower	Upper	
276	100		
138	8.6	16.0	24.0
277	20.8	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#88

Benzo(b)fluoranthene

Concen: 13.272 ng

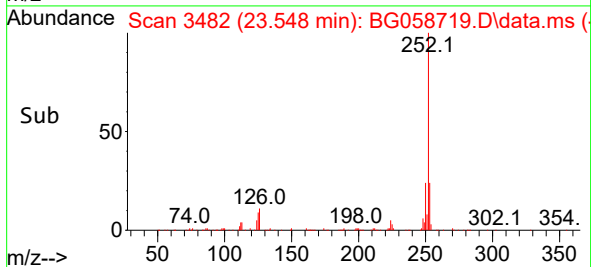
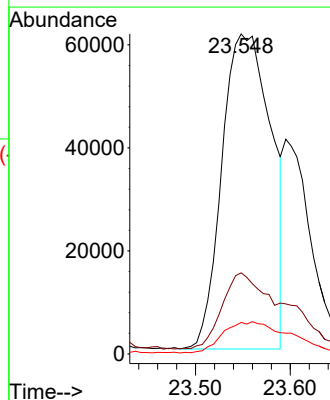
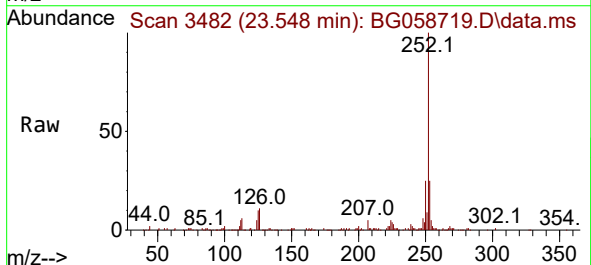
RT: 23.548 min Scan# 3482

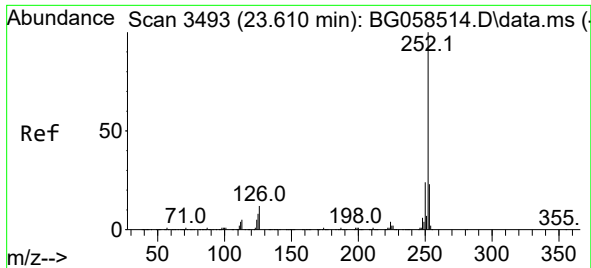
Delta R.T. 0.002 min

Lab File: BG058719.D

Acq: 14 Aug 2023 12:31

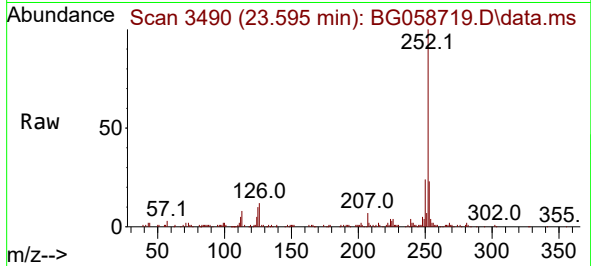
Tgt Ion:	252	Resp:	220219
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.8	26.8
125	9.9	6.6	9.8





#89
Benzo(k)fluoranthene
Concen: 5.026 ng m
RT: 23.595 min Scan# 3493
Delta R.T. -0.015 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

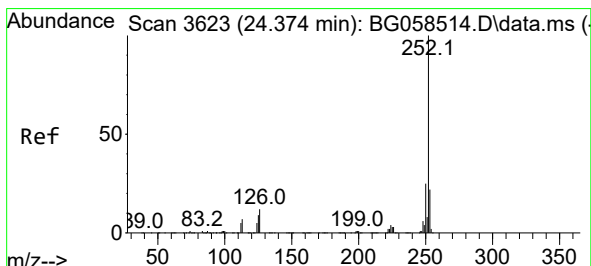
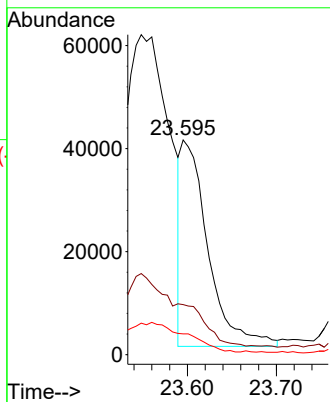
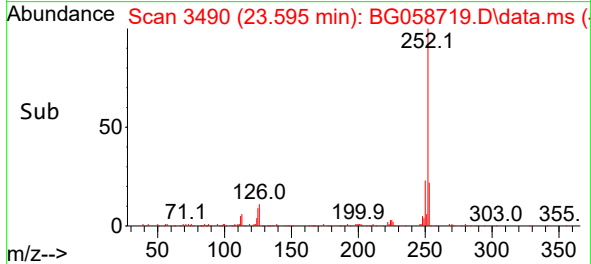
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL



Tgt Ion:252 Resp: 8378
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 9.7 6.6 10.0

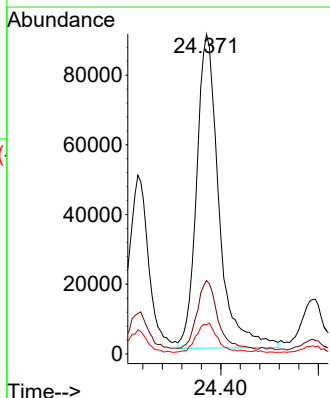
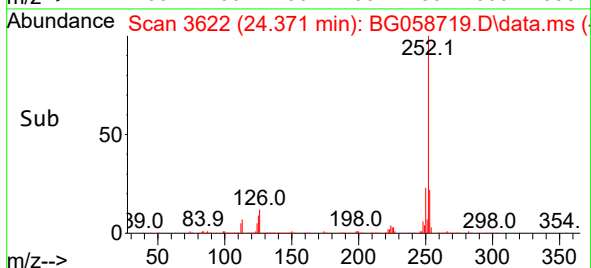
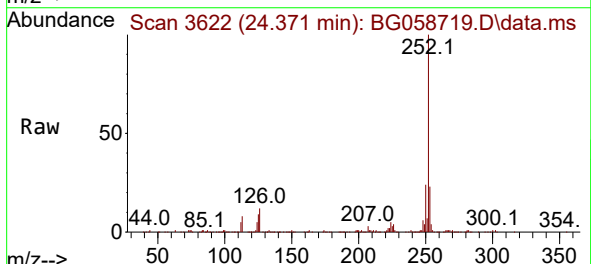
Manual Integrations
APPROVED

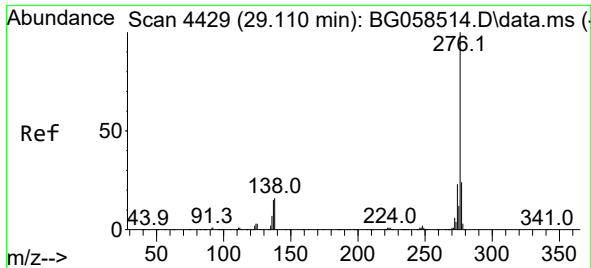
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#90
Benzo(a)pyrene
Concen: 17.530 ng
RT: 24.371 min Scan# 3622
Delta R.T. -0.003 min
Lab File: BG058719.D
Acq: 14 Aug 2023 12:31

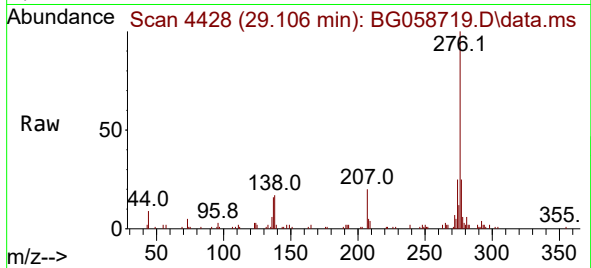
Tgt Ion:252 Resp: 285668
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 9.1 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.573 ng m
 RT: 29.106 min Scan# 44
 Delta R.T. -0.003 min
 Lab File: BG058719.D
 Acq: 14 Aug 2023 12:31

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL



Tgt Ion:276 Resp: 94052
 Ion Ratio Lower Upper
 276 100
 277 24.9 18.9 28.3
 138 17.0 13.0 19.4

Manual Integrations
 APPROVED

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

