

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058721.D
 Acq On : 14 Aug 2023 13:52
 Operator : MA/JU
 Sample : 03958-05DL2 100X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL2

Manual Integrations
 APPROVED

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

Quant Time: Aug 14 15:05:31 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	39568	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	180186	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	127554	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	311920	20.000	ng	0.00
76) Chrysene-d12	21.451	240	268557	20.000	ng	0.00
86) Perylene-d12	24.524	264	263083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.388	112	1722	0.665	ng	0.00
7) Phenol-d6	6.997	99	2116	0.587	ng	0.01
23) Nitrobenzene-d5	8.989	82	1123	0.306	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	242	0.116	ng	0.03
45) 2-Fluorobiphenyl	13.084	172	4365	0.513	ng	0.00
79) Terphenyl-d14	19.824	244	8563	0.600	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.664	128	351327	36.994	ng	99
37) 2-Methylnaphthalene	12.279	142	92212	13.574	ng	96
38) 1-Methylnaphthalene	12.497	142	63549	9.841	ng	98
52) Acenaphthene	14.524	154	49632	7.512	ng	100
58) Fluorene	15.511	166	27250	3.021	ng	100
71) Phenanthrene	17.244	178	147625	9.980	ng	100
72) Anthracene	17.338	178	41774	2.752	ng	98
75) Fluoranthene	19.259	202	60639	3.413	ng	98
78) Pyrene	19.624	202	94860	5.190	ng	96
81) Benzo(a)anthracene	21.433	228	38019m	2.057	ng	
83) Chrysene	21.492	228	36197m	2.043	ng	

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

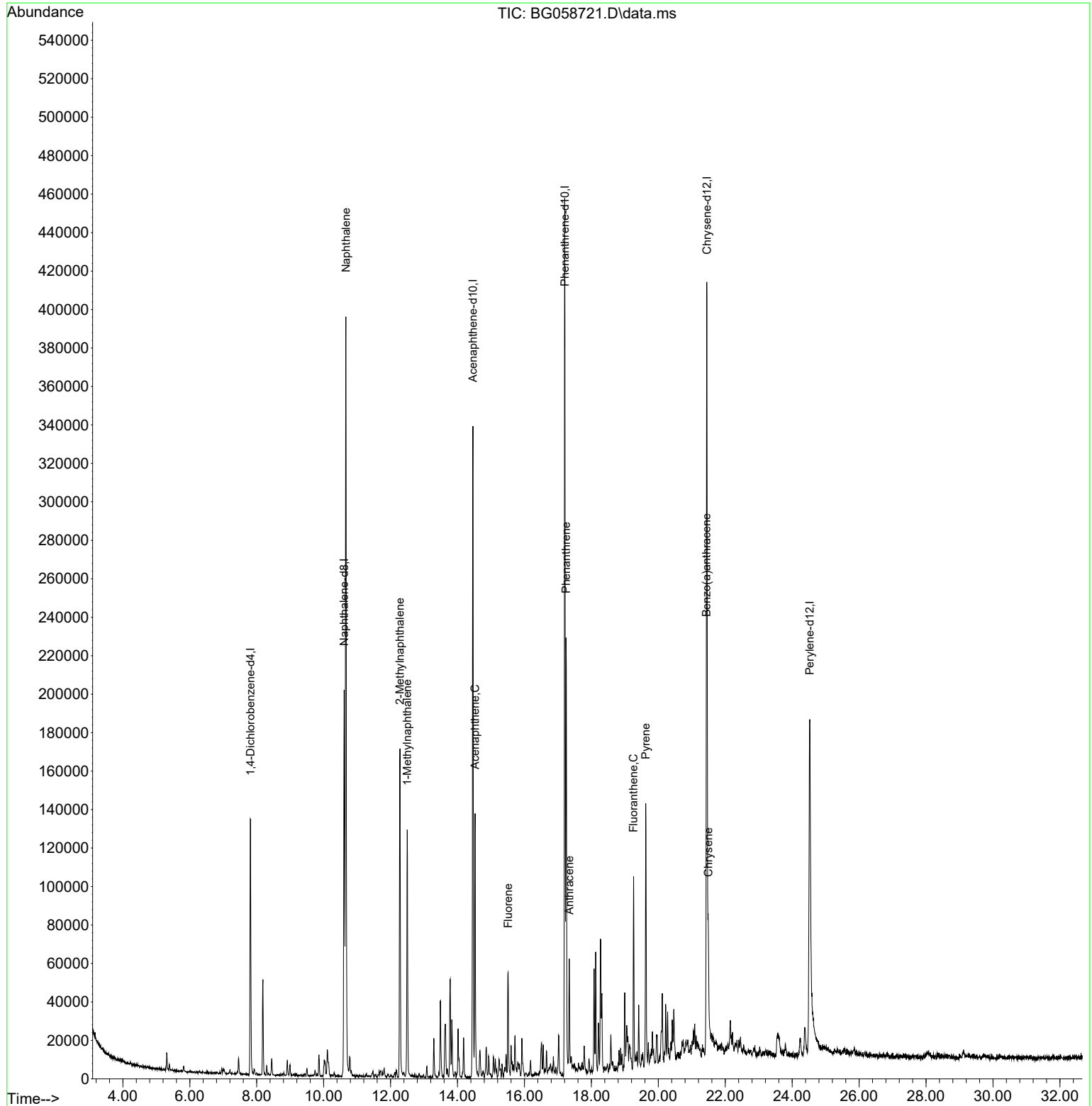
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
Data File : BG058721.D
Acq On : 14 Aug 2023 13:52
Operator : MA/JU
Sample : 03958-05DL2 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

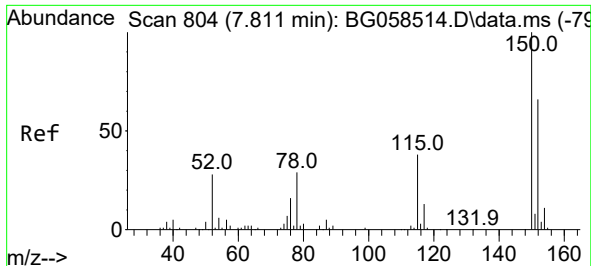
Instrument :
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Quant Time: Aug 14 15:05:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
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Response via : Initial Calibration

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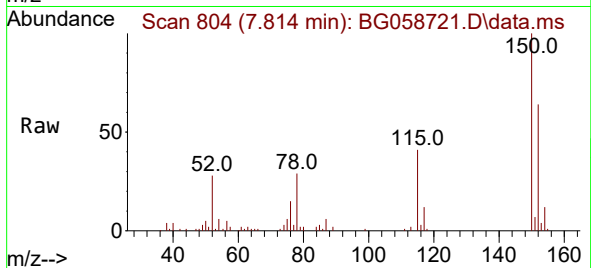
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.814 min Scan# 804
Delta R.T. 0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

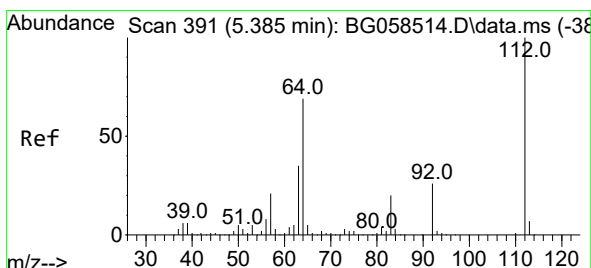
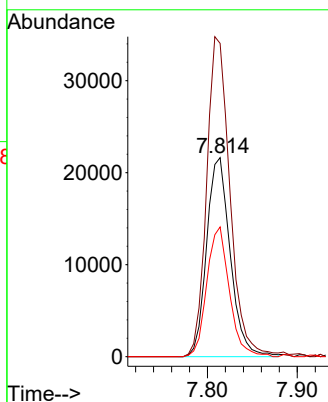
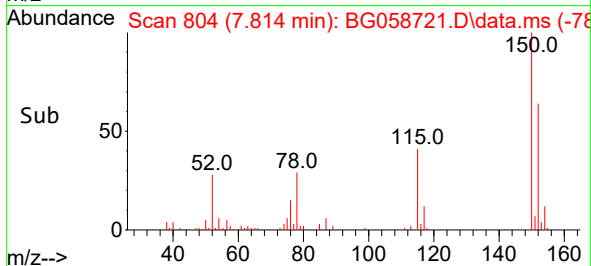
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2



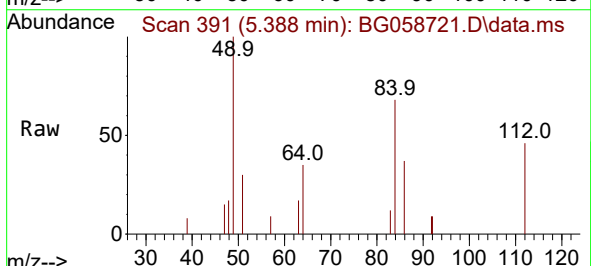
Tgt Ion:152 Resp: 3956
Ion Ratio Lower Upper
152 100
150 157.4 120.5 180.7
115 65.2 45.9 68.9

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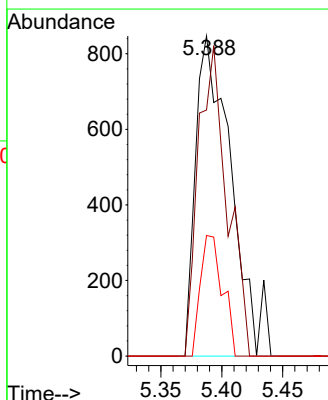
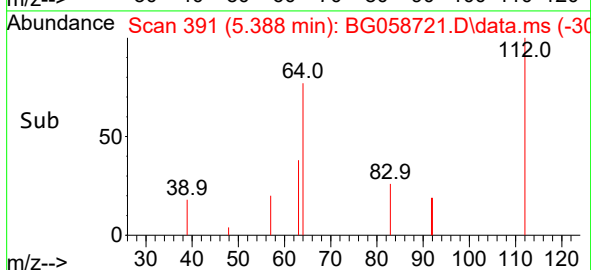
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

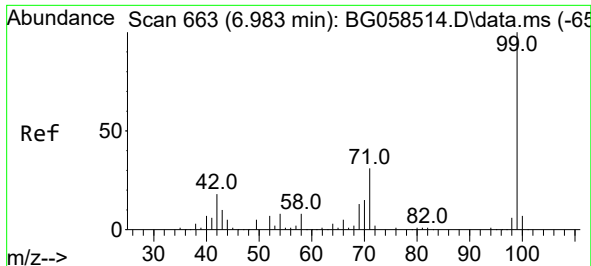


#5
2-Fluorophenol
Concen: 0.665 ng
RT: 5.388 min Scan# 391
Delta R.T. 0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52



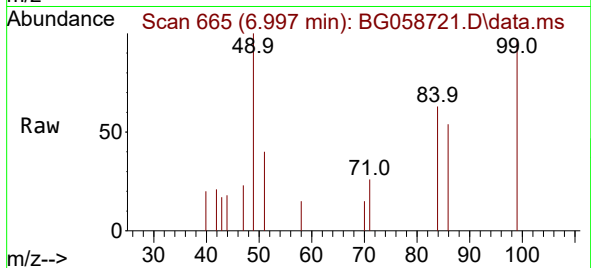
Tgt Ion:112 Resp: 1722
Ion Ratio Lower Upper
112 100
64 76.9 55.3 82.9
63 37.7 28.3 42.5





#7
Phenol-d6
Concen: 0.587 ng
RT: 6.997 min Scan# 60
Delta R.T. 0.015 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

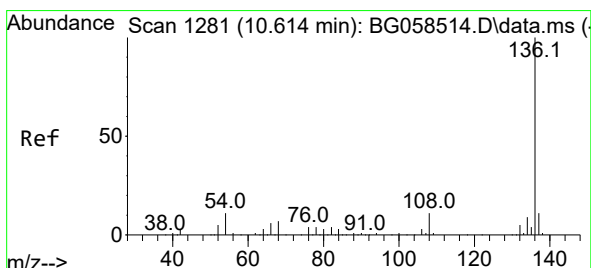
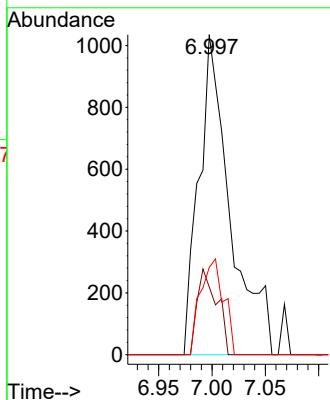
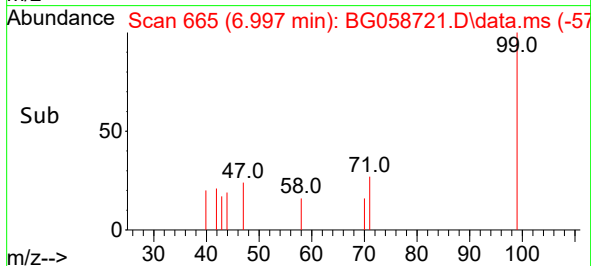
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2



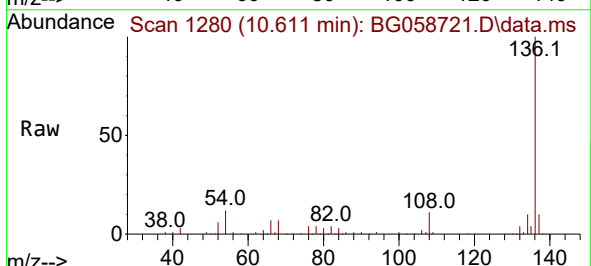
Tgt Ion: 99 Resp: 2110
Ion Ratio Lower Upper
99 100
42 21.2 14.6 21.8
71 27.2 25.0 37.4

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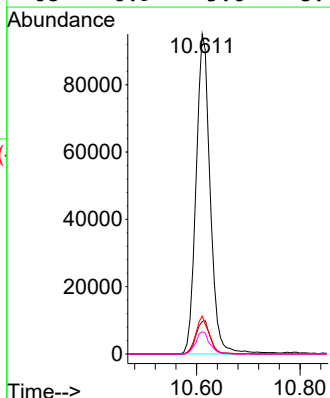
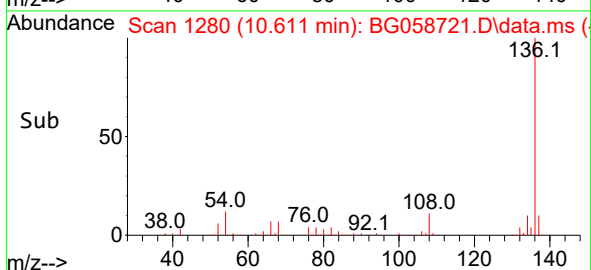
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

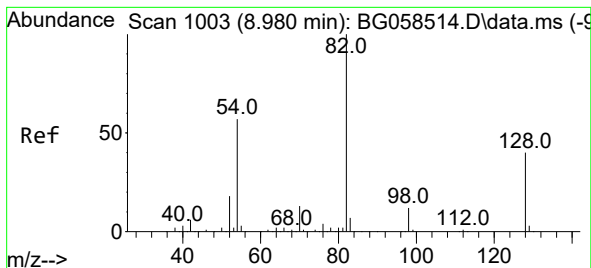


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52



Tgt Ion:136 Resp: 180186
Ion Ratio Lower Upper
136 100
137 10.1 8.6 13.0
54 11.8 8.9 13.3
68 6.9 5.6 8.4





#23

Nitrobenzene-d5

Concen: 0.306 ng

RT: 8.989 min Scan# 1003

Delta R.T. 0.009 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z37-39DL2

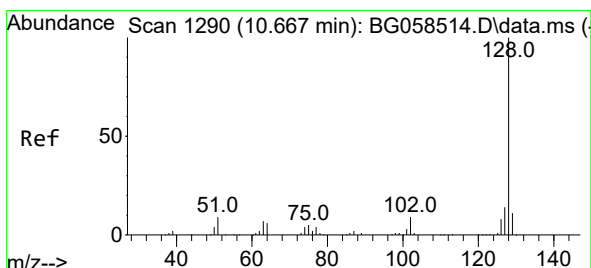
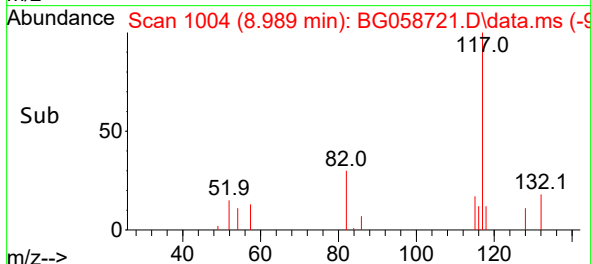
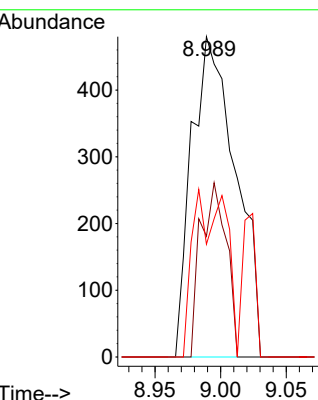
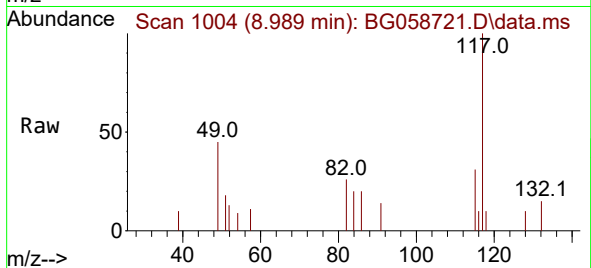
Tgt Ion: 82	Resp: 112
Ion Ratio	Lower Upper
82 100	
128 37.7	32.2 48.2
54 35.2	46.0 69.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#31

Naphthalene

Concen: 36.994 ng

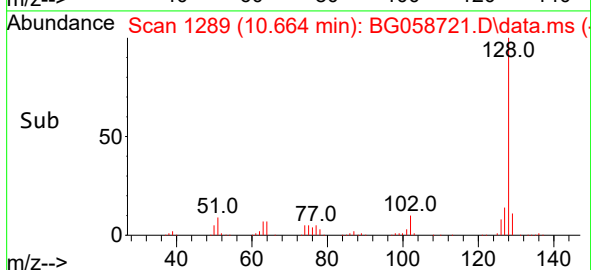
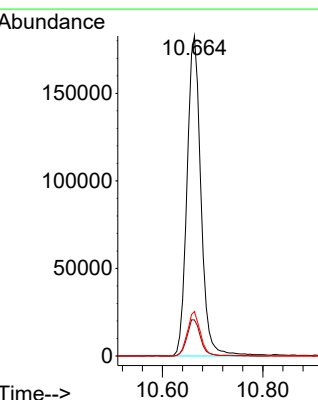
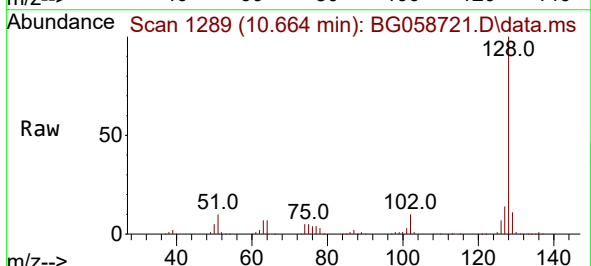
RT: 10.664 min Scan# 1289

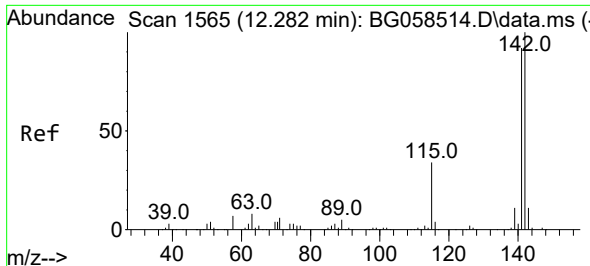
Delta R.T. -0.003 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

Tgt Ion:128	Resp: 351327
Ion Ratio	Lower Upper
128 100	
129 11.2	8.8 13.2
127 13.9	10.9 16.3





#37

2-Methylnaphthalene

Concen: 13.574 ng

RT: 12.279 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z37-39DL2

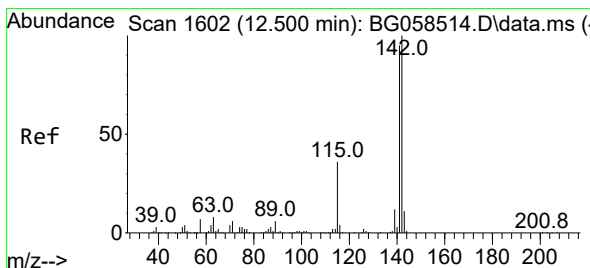
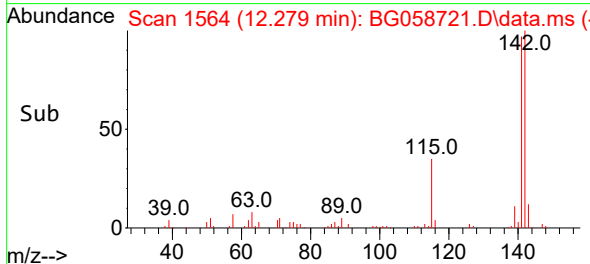
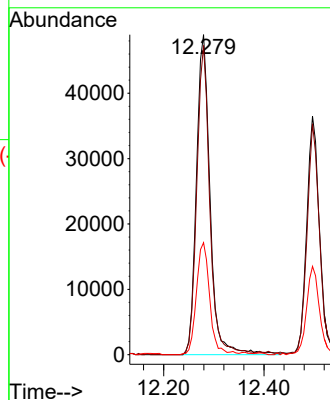
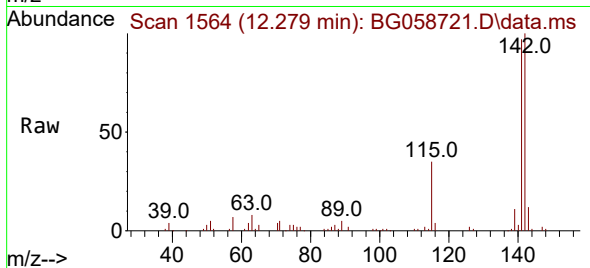
Tgt Ion:142	Resp:	9221
Ion Ratio	Lower	Upper
142	100	
141	96.6	73.5 110.3
115	35.0	27.4 41.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#38

1-Methylnaphthalene

Concen: 9.841 ng

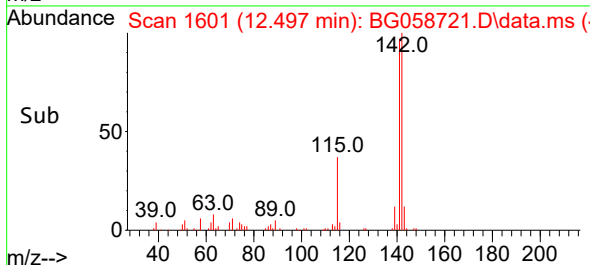
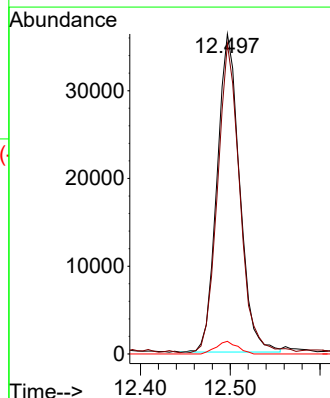
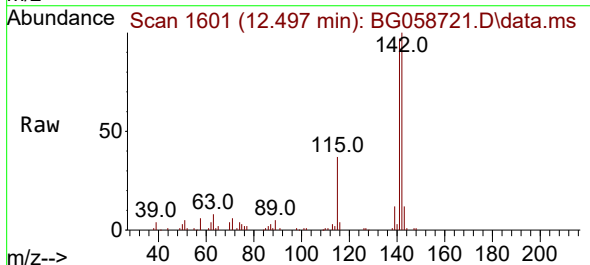
RT: 12.497 min Scan# 1601

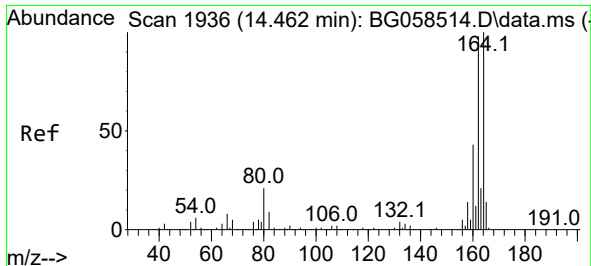
Delta R.T. -0.003 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

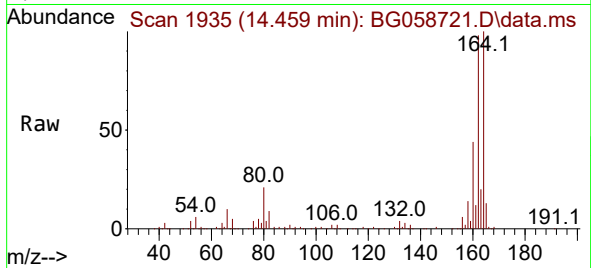
Tgt Ion:142	Resp:	63549
Ion Ratio	Lower	Upper
142	100	
141	96.9	75.7 113.5
116	4.0	3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

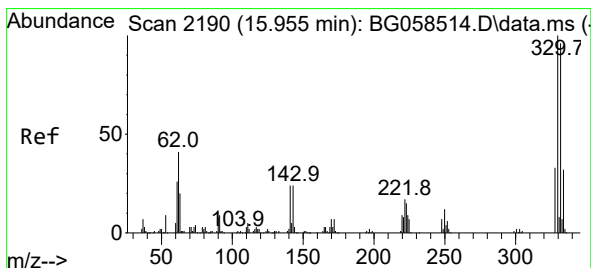
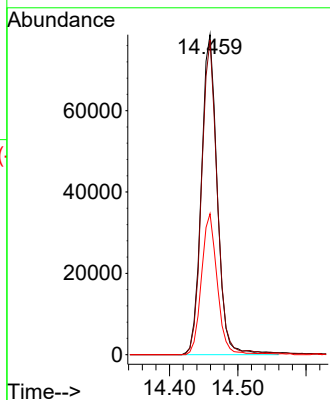
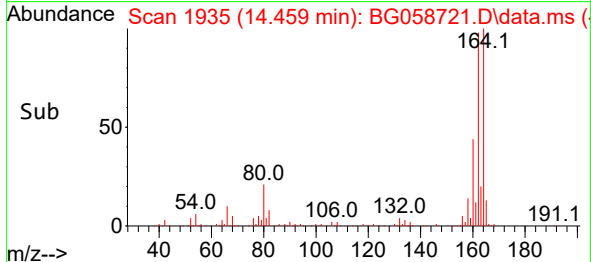
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2



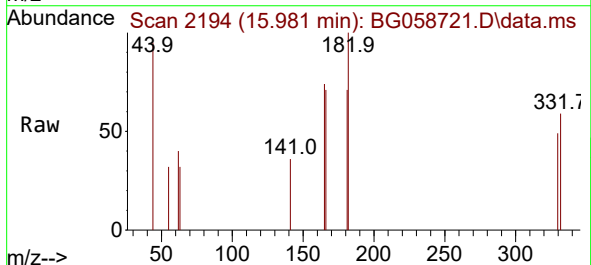
Tgt Ion:164 Resp: 127554
Ion Ratio Lower Upper
164 100
162 98.3 78.3 117.5
160 44.0 34.1 51.1

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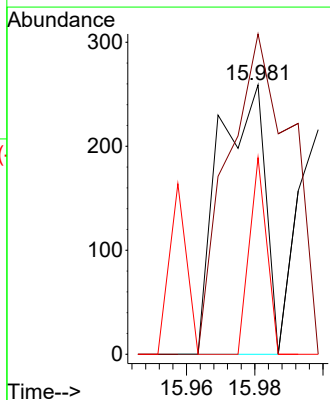
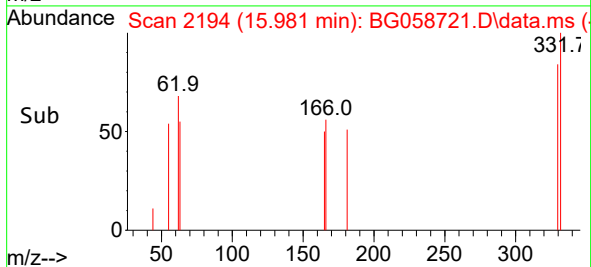
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

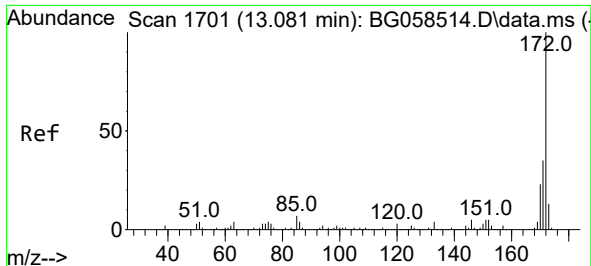


#42
2,4,6-Tribromophenol
Concen: 0.116 ng
RT: 15.981 min Scan# 2194
Delta R.T. 0.026 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52



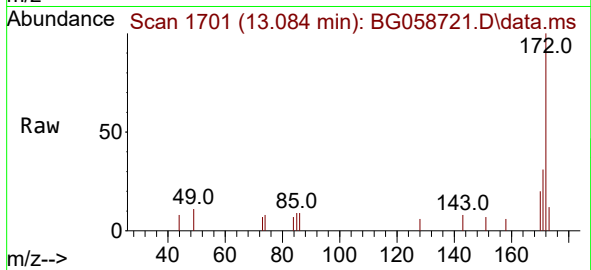
Tgt Ion:330 Resp: 242
Ion Ratio Lower Upper
330 100
332 163.6 77.5 116.3#
141 27.7 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 0.513 ng
RT: 13.084 min Scan# 1701
Delta R.T. 0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

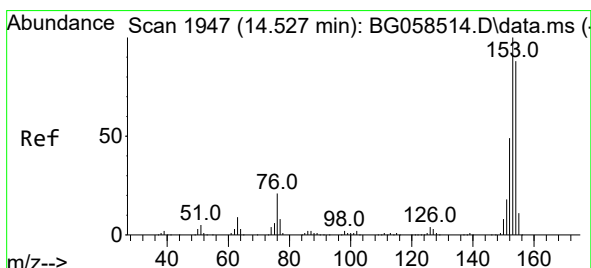
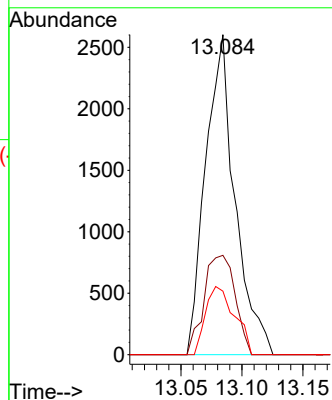
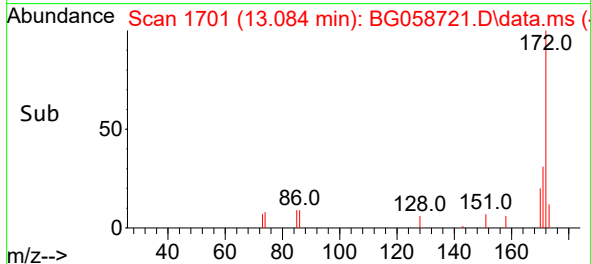
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2



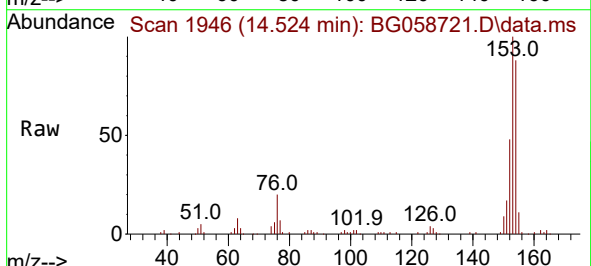
Tgt Ion:172 Resp: 4368
Ion Ratio Lower Upper
172 100
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170 19.9 18.4 27.6

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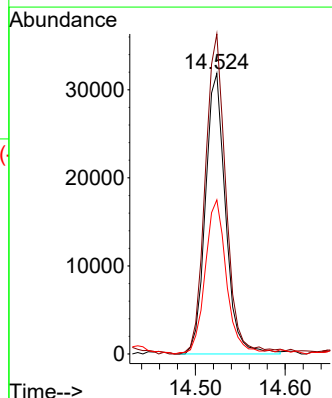
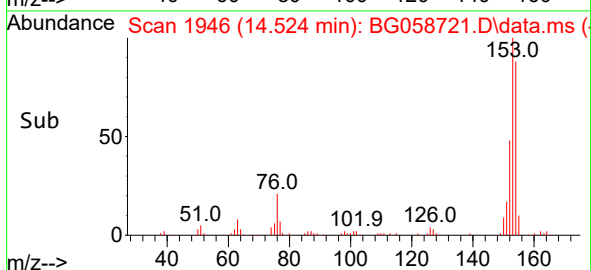
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

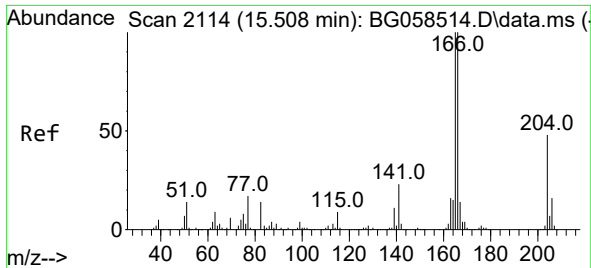


#52
Acenaphthene
Concen: 7.512 ng
RT: 14.524 min Scan# 1946
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52



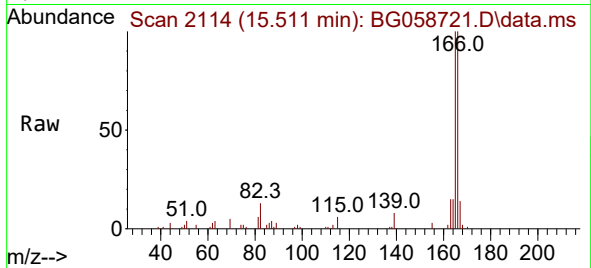
Tgt Ion:154 Resp: 49632
Ion Ratio Lower Upper
154 100
153 114.1 91.1 136.7
152 55.0 44.6 66.8





#58
Fluorene
Concen: 3.021 ng
RT: 15.511 min Scan# 2114
Delta R.T. 0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

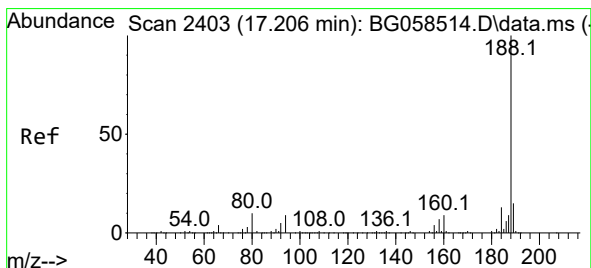
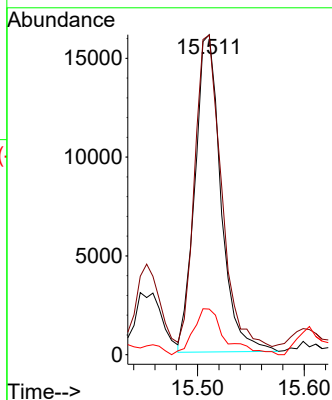
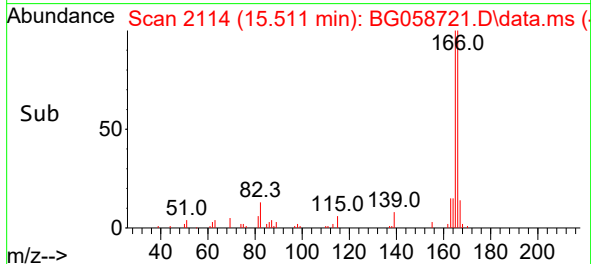
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2



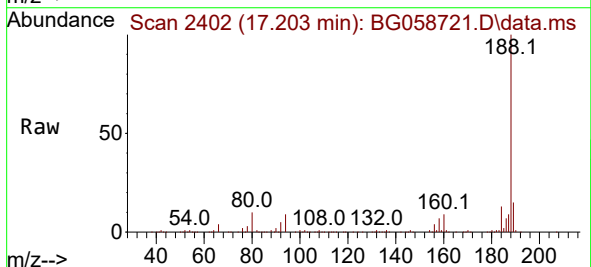
Tgt Ion:166 Resp: 27250
Ion Ratio Lower Upper
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167 14.3 11.3 16.9

Manual Integrations
APPROVED

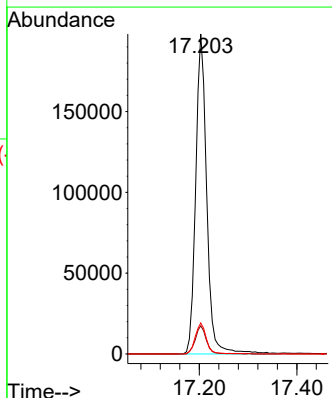
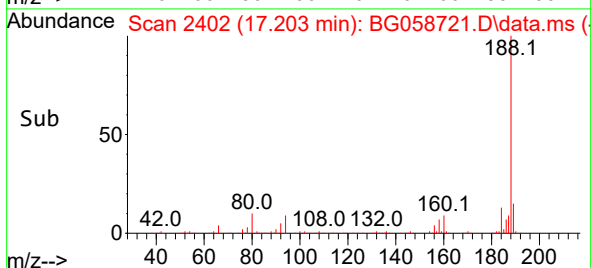
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

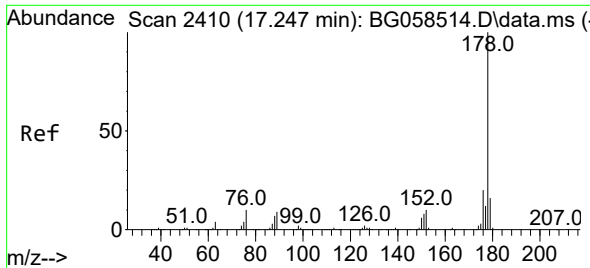


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 2402
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52



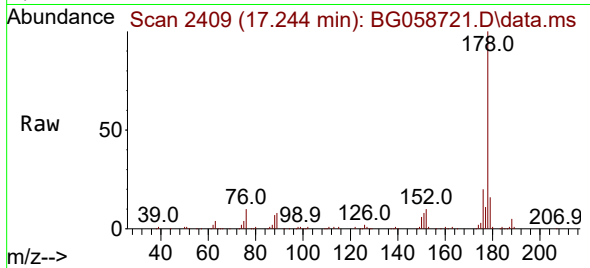
Tgt Ion:188 Resp: 311920
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 9.7 8.1 12.1





#71
Phenanthrene
Concen: 9.980 ng
RT: 17.244 min Scan# 2410
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

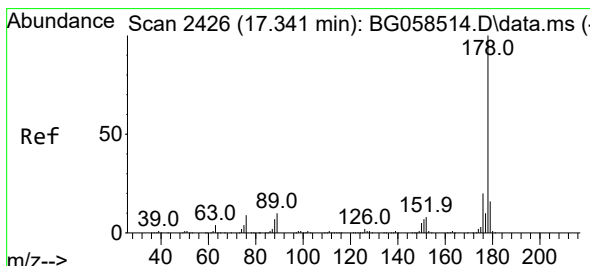
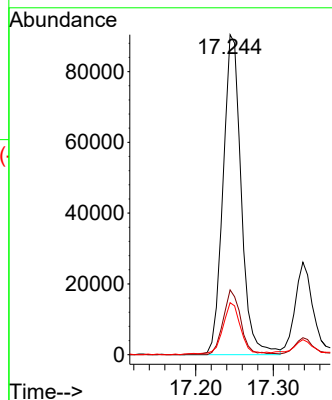
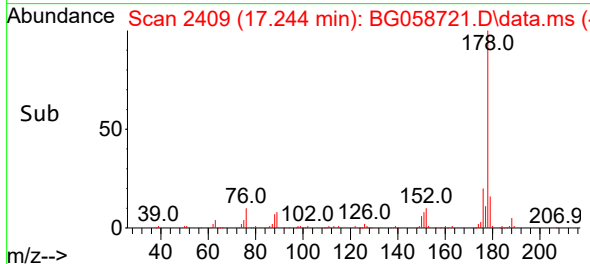
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2



Tgt Ion:178 Resp: 147625
Ion Ratio Lower Upper
178 100
176 20.3 16.3 24.5
179 16.3 13.1 19.7

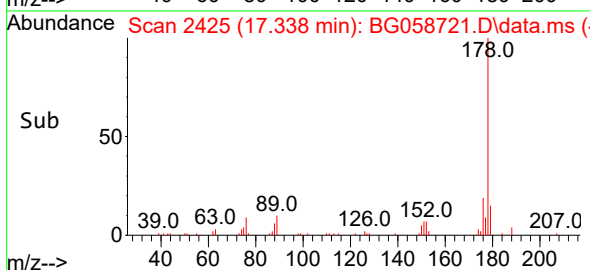
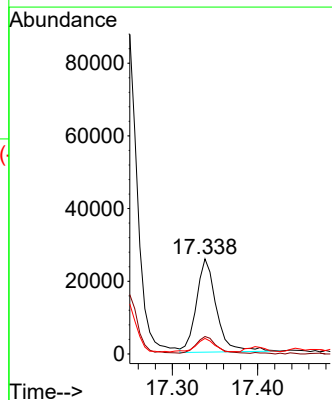
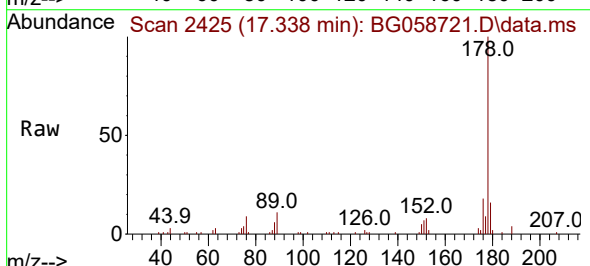
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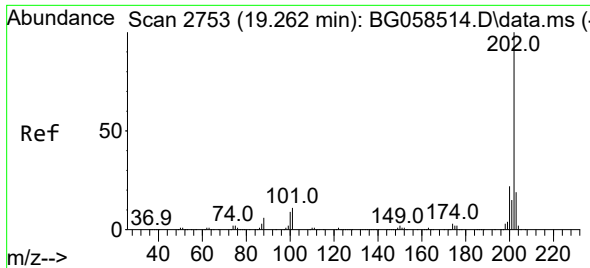
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#72
Anthracene
Concen: 2.752 ng
RT: 17.338 min Scan# 2425
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

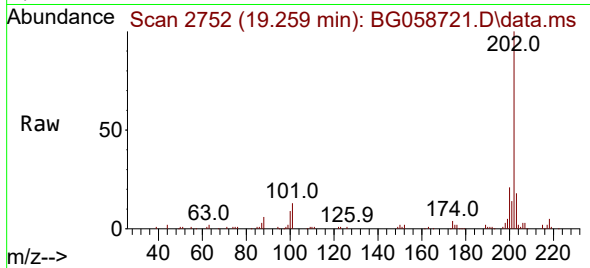
Tgt Ion:178 Resp: 41774
Ion Ratio Lower Upper
178 100
176 18.3 16.0 24.0
179 16.3 12.9 19.3





#75
Fluoranthene
Concen: 3.413 ng
RT: 19.259 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

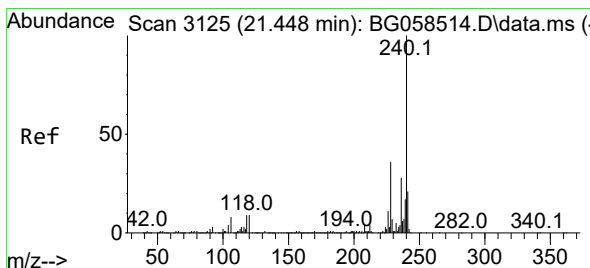
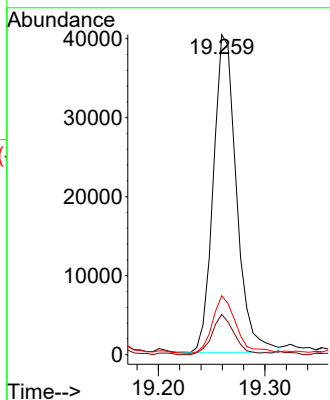
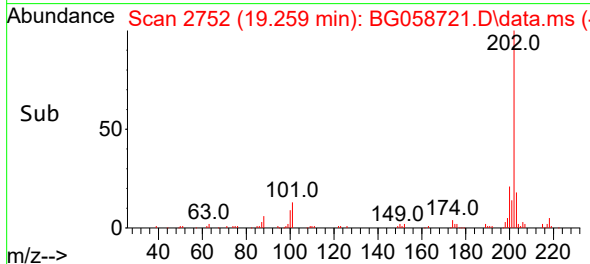
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2



Tgt Ion:202 Resp: 60639
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.4
203 18.4 0.0 39.0

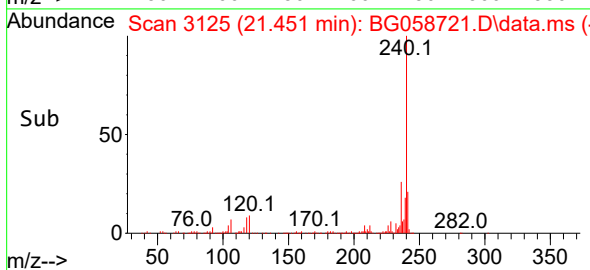
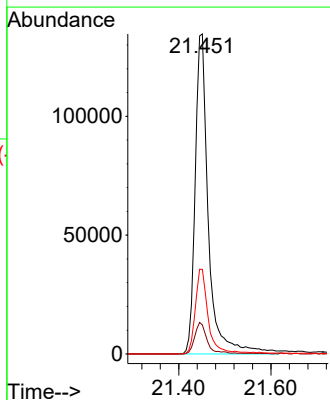
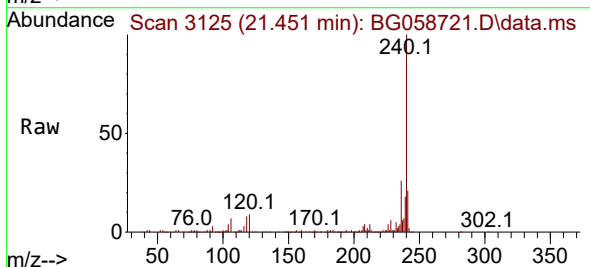
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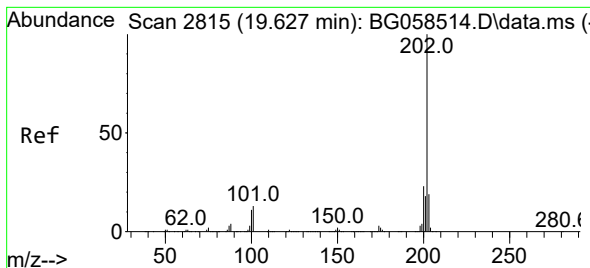
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.451 min Scan# 3125
Delta R.T. 0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

Tgt Ion:240 Resp: 268557
Ion Ratio Lower Upper
240 100
120 9.1 7.4 11.0
236 26.4 22.2 33.4





#78

Pyrene

Concen: 5.190 ng

RT: 19.624 min Scan# 2815

Delta R.T. -0.003 min

Lab File: BG058721.D

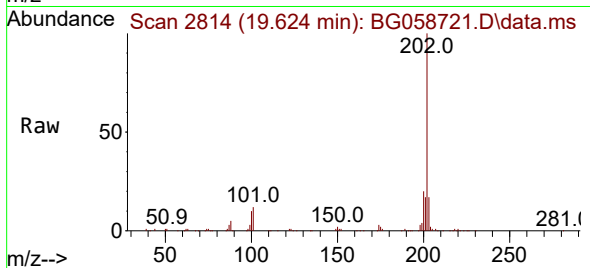
Acq: 14 Aug 2023 13:52

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z37-39DL2



Tgt Ion:202 Resp: 94860

Ion Ratio Lower Upper

202 100

200 20.4 18.2 27.2

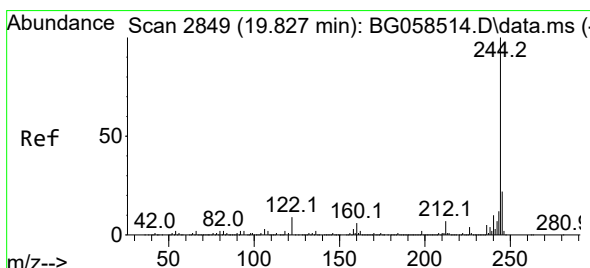
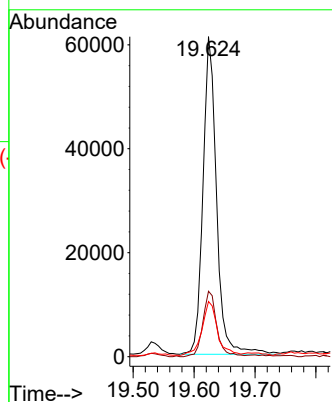
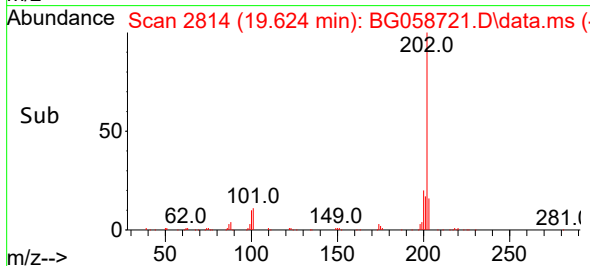
203 17.2 15.1 22.7

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Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#79

Terphenyl-d14

Concen: 0.600 ng

RT: 19.824 min Scan# 2848

Delta R.T. -0.003 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

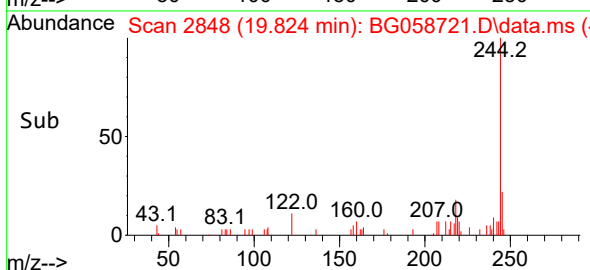
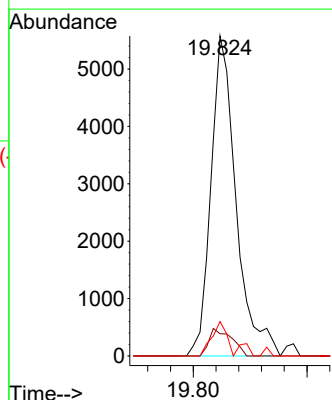
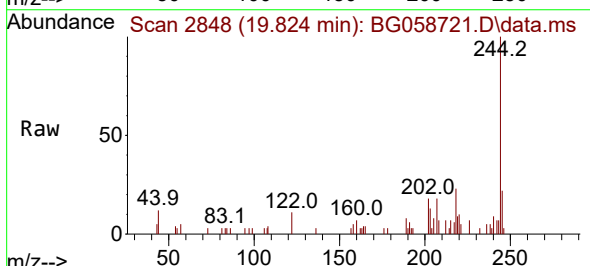
Tgt Ion:244 Resp: 8563

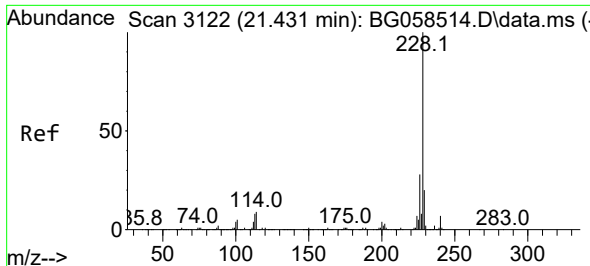
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

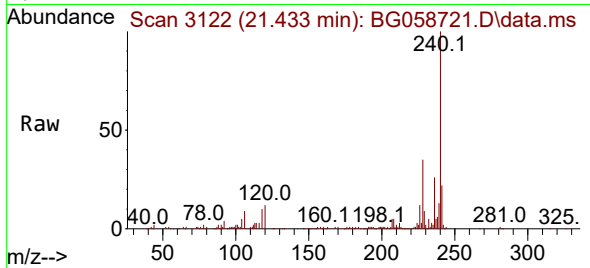
122 10.8 6.8 10.2#





#81
Benzo(a)anthracene
Concen: 2.057 ng m
RT: 21.433 min Scan# 3122
Delta R.T. 0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

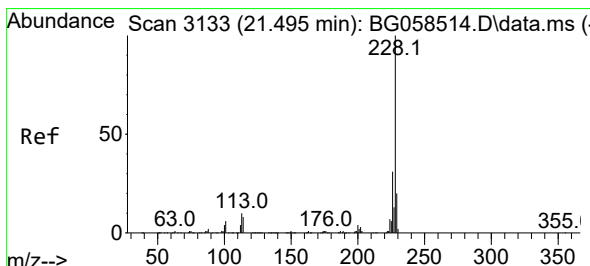
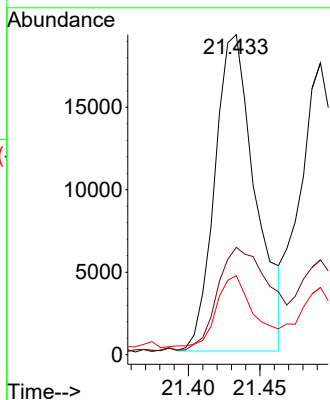
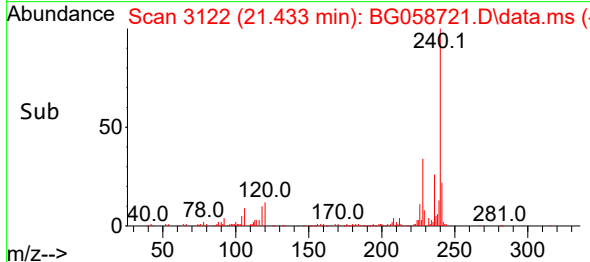
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2



Tgt Ion:228 Resp: 38019
Ion Ratio Lower Upper
228 100
226 33.5 22.6 33.8
229 24.7 16.3 24.5

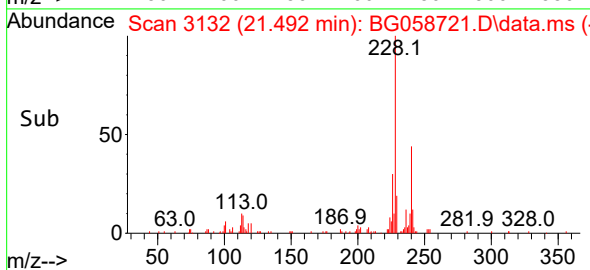
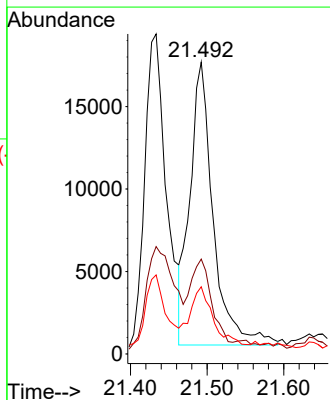
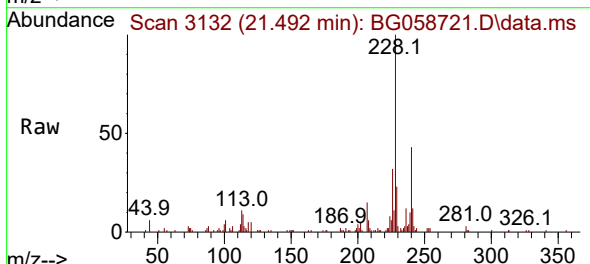
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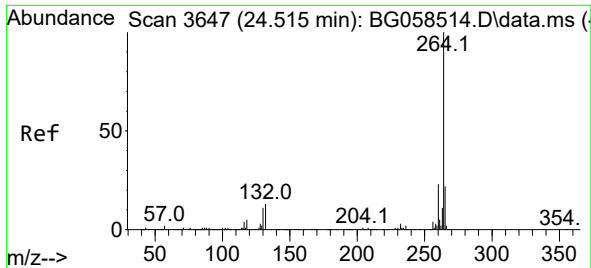
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#83
Chrysene
Concen: 2.043 ng m
RT: 21.492 min Scan# 3132
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

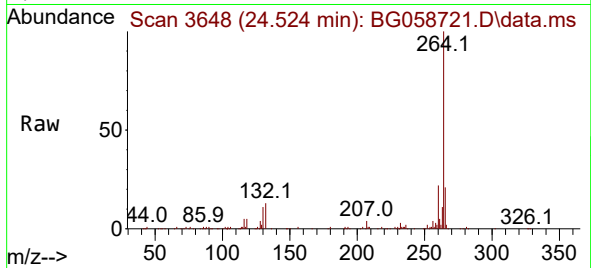
Tgt Ion:228 Resp: 36197
Ion Ratio Lower Upper
228 100
226 32.5 25.0 37.6
229 23.0 16.3 24.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.524 min Scan# 30
 Delta R.T. 0.009 min
 Lab File: BG058721.D
 Acq: 14 Aug 2023 13:52

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL2



Tgt Ion:264 Resp: 263083
 Ion Ratio Lower Upper
 264 100
 260 22.1 18.4 27.6
 265 21.2 17.9 26.9

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

