

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054573.D
 Acq On : 9 Aug 2022 17:11
 Operator : CG/JU
 Sample : N4064-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-18

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 09 17:54:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	18828	20.000	ng	0.00
21) Naphthalene-d8	10.782	136	71353	20.000	ng	# 0.00
39) Acenaphthene-d10	14.613	164	57189	20.000	ng	0.00
64) Phenanthrene-d10	17.363	188	144960	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	159922	20.000	ng	# 0.00
86) Perylene-d12	24.836	264	169292	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	102741	113.932	ng	0.00
7) Phenol-d6	7.181	99	139508	112.902	ng	0.00
23) Nitrobenzene-d5	9.143	82	94019	71.756	ng	0.00
42) 2,4,6-Tribromophenol	16.111	330	121203	100.939	ng	0.00
45) 2-Fluorobiphenyl	13.232	172	257492	63.516	ng	0.00
79) Terphenyl-d14	19.971	244	508795	63.115	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.343	152	9957	2.047	ng	# 90
52) Acenaphthene	14.678	154	6909	2.345	ng	93
58) Fluorene	15.665	166	13653	3.168	ng	94
71) Phenanthrene	17.404	178	239744	33.210	ng	99
72) Anthracene	17.498	178	47376	6.688	ng	96
73) Carbazole	17.774	167	18862	3.234	ng	# 96
75) Fluoranthene	19.419	202	507706	51.593	ng	96
78) Pyrene	19.783	202	439612	47.908	ng	98
81) Benzo(a)anthracene	21.611	228	275890	27.177	ng	99
83) Chrysene	21.675	228	259696	27.077	ng	95
87) Indeno(1,2,3-cd)pyrene	28.520	276	149737	11.627	ng	94
88) Benzo(b)fluoranthene	23.826	252	342768	34.237	ng	# 98
89) Benzo(k)fluoranthene	23.879	252	119057m	11.949	ng	
90) Benzo(a)pyrene	24.689	252	244192m	28.560	ng	
91) Dibenzo(a,h)anthracene	28.550	278	39971m	3.774	ng	
92) Benzo(g,h,i)perylene	29.678	276	132786	12.704	ng	# 89

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

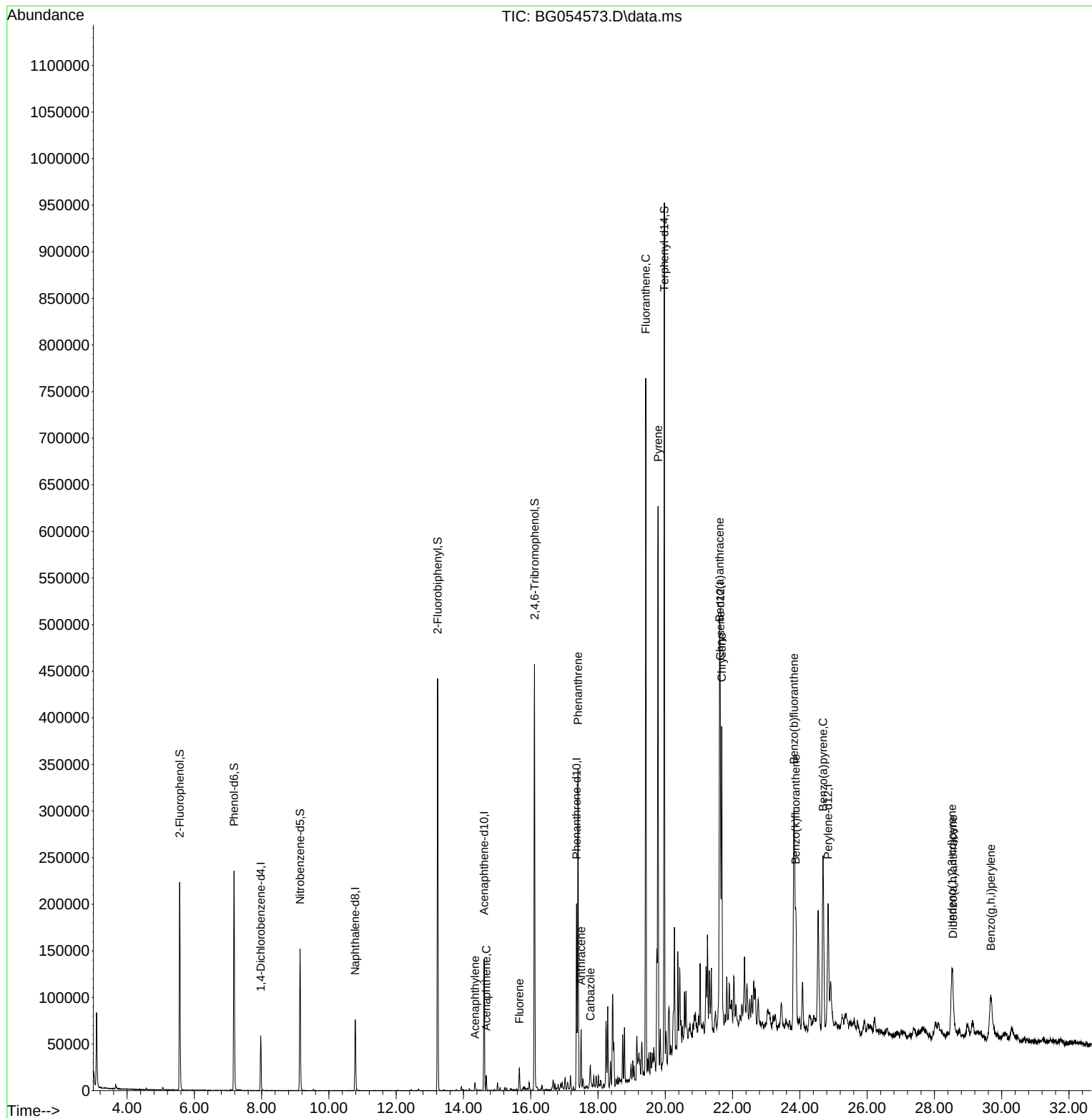
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
Data File : BG054573.D
Acq On : 9 Aug 2022 17:11
Operator : CG/JU
Sample : N4064-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

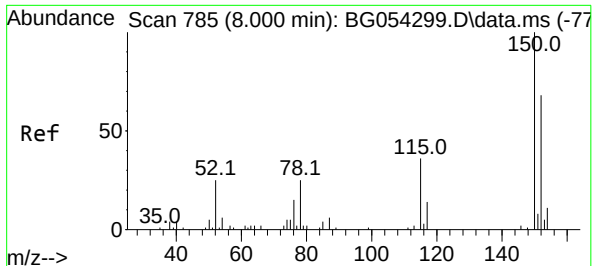
Instrument :
BNA_G
ClientSampleId :
SB-18

Quant Time: Aug 09 17:54:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

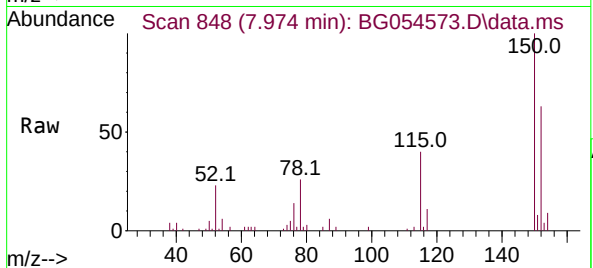
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.974 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

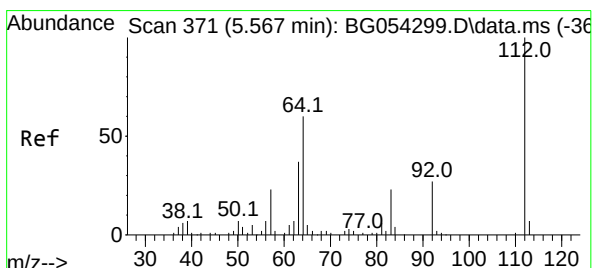
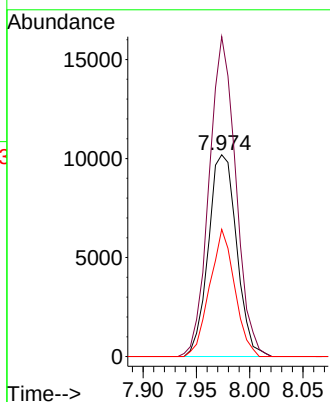
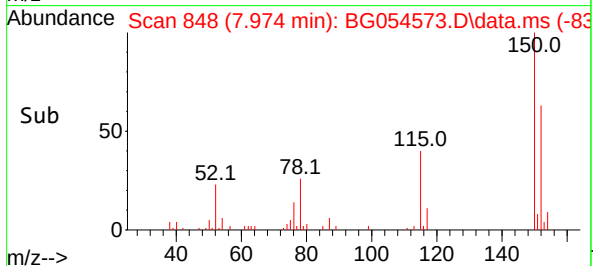
Instrument :
BNA_G
ClientSampleId :
SB-18



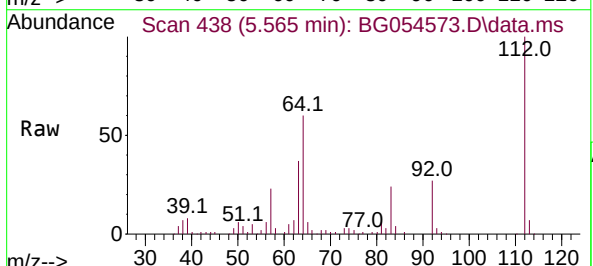
Tgt Ion:152 Resp: 18828
Ion Ratio Lower Upper
152 100
150 158.5 131.6 197.4
115 63.0 50.9 76.3

Manual Integrations
APPROVED

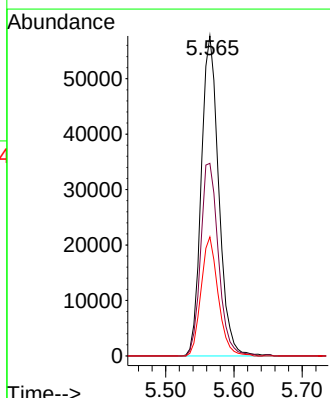
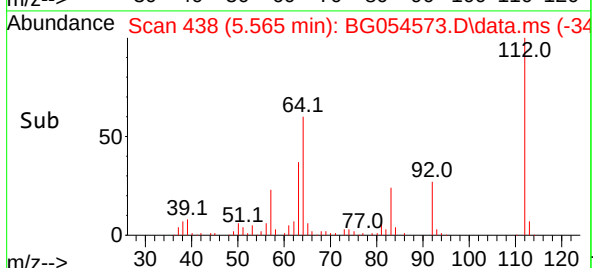
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

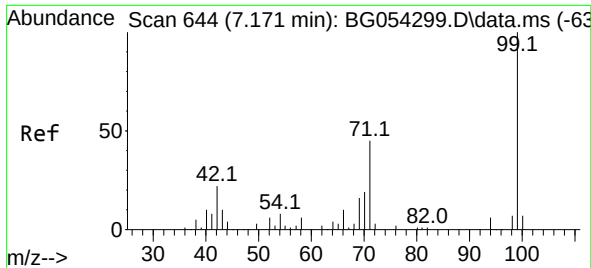


#5
2-Fluorophenol
Concen: 113.932 ng
RT: 5.565 min Scan# 438
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11



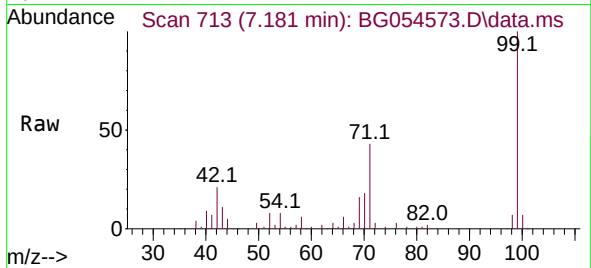
Tgt Ion:112 Resp: 102741
Ion Ratio Lower Upper
112 100
64 60.2 55.1 82.7
63 37.2 30.4 45.6





#7
Phenol-d6
Concen: 112.902 ng
RT: 7.181 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

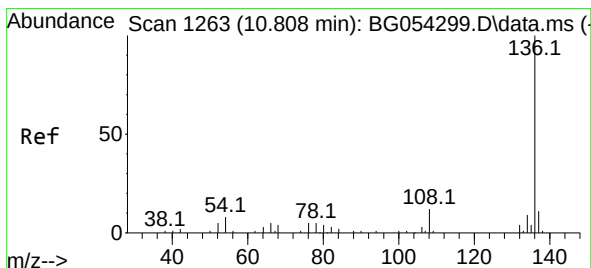
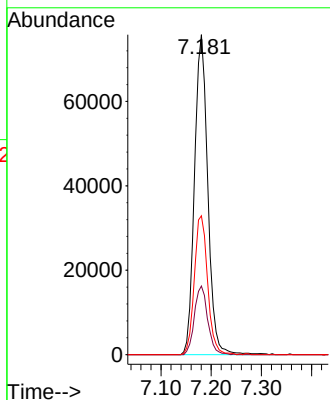
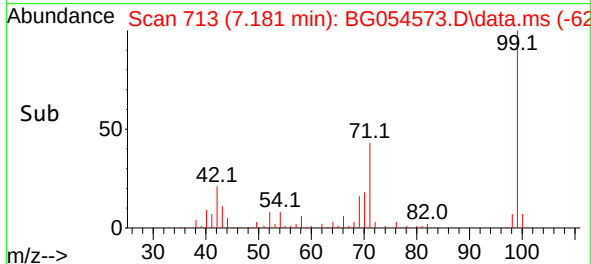
Instrument :
BNA_G
ClientSampleId :
SB-18



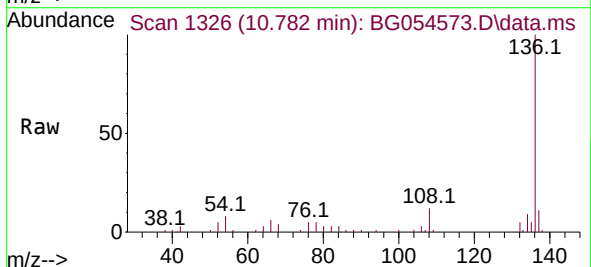
Tgt Ion: 99 Resp: 139508
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 43.4 33.8 50.8

Manual Integrations
APPROVED

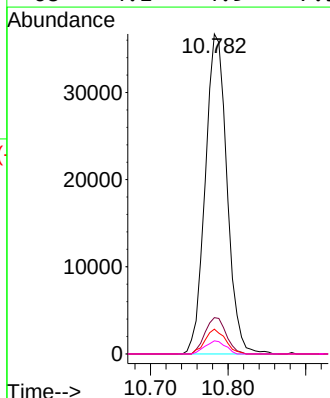
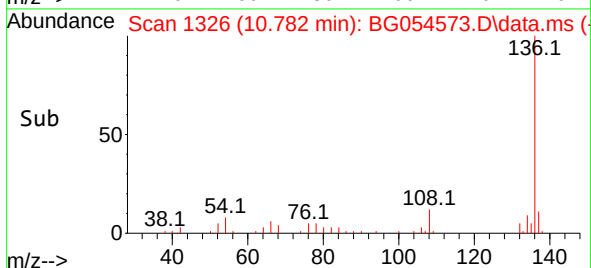
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

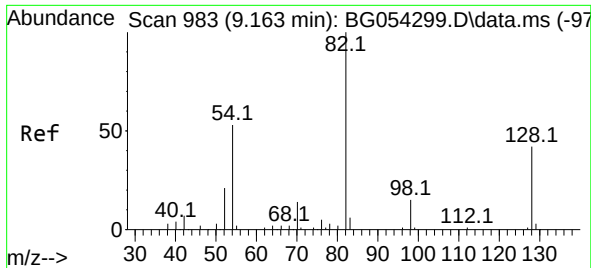


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.782 min Scan# 1326
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11



Tgt Ion:136 Resp: 71353
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 7.7 7.4 11.2
68 4.1 4.9 7.3





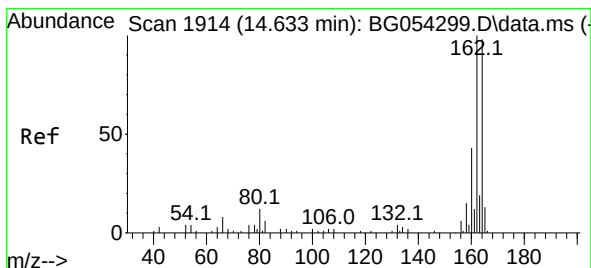
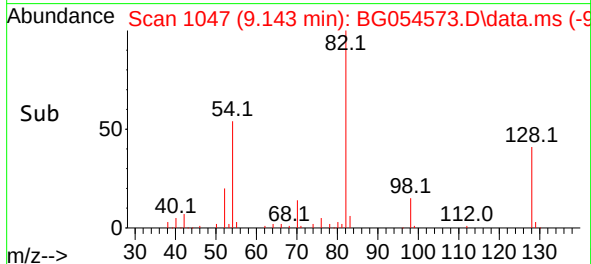
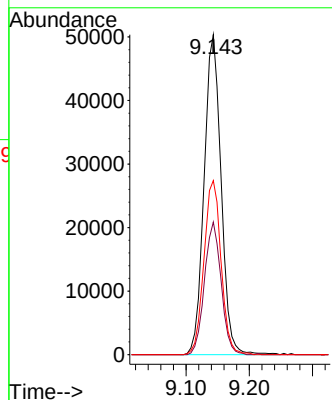
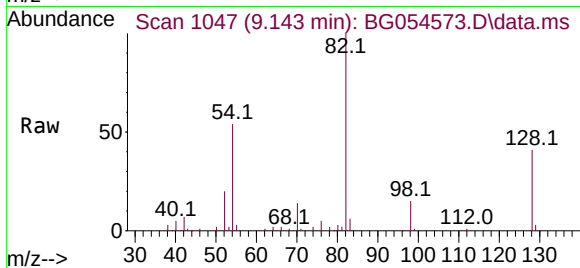
#23
Nitrobenzene-d5
Concen: 71.756 ng
RT: 9.143 min Scan# 1047
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Instrument :
BNA_G
ClientSampleId :
SB-18

Tgt Ion: 82 Resp: 94019
Ion Ratio Lower Upper
82 100
128 41.4 27.9 41.9
54 54.4 41.2 61.8

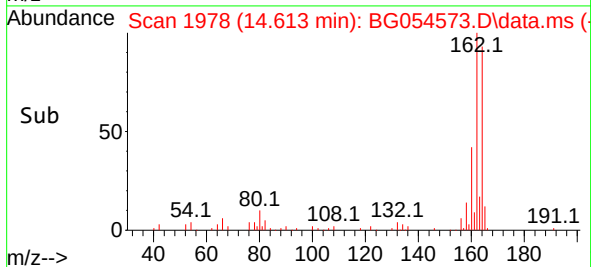
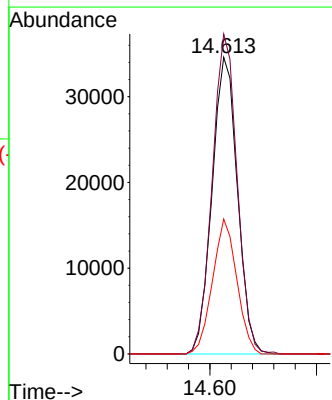
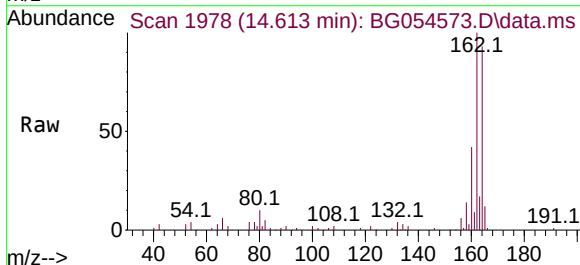
Manual Integrations
APPROVED

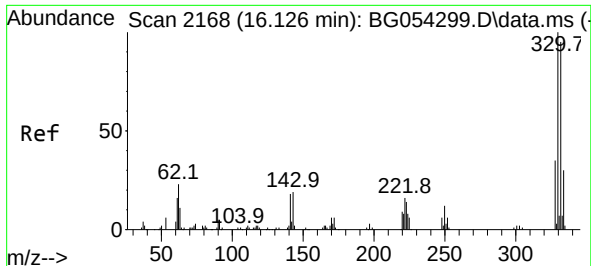
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.613 min Scan# 1978
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:164 Resp: 57189
Ion Ratio Lower Upper
164 100
162 107.9 82.3 123.5
160 45.4 34.2 51.2





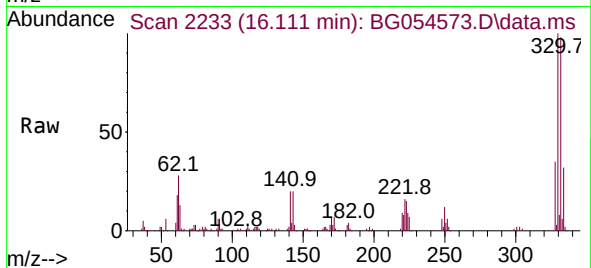
#42
2,4,6-Tribromophenol
Concen: 100.939 ng
RT: 16.111 min Scan# 2168
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Instrument :

BNA_G

ClientSampleId :

SB-18

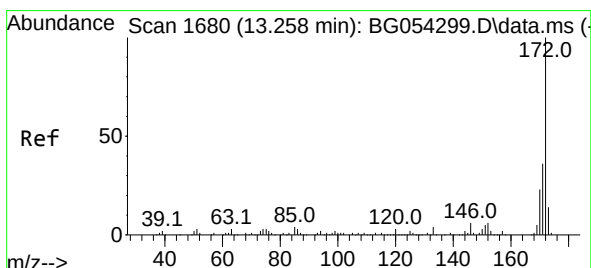
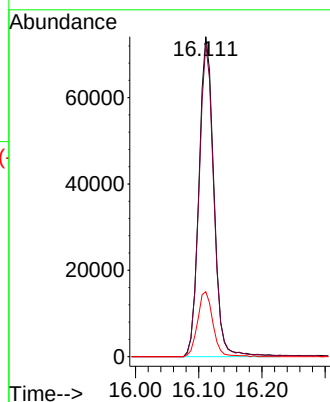
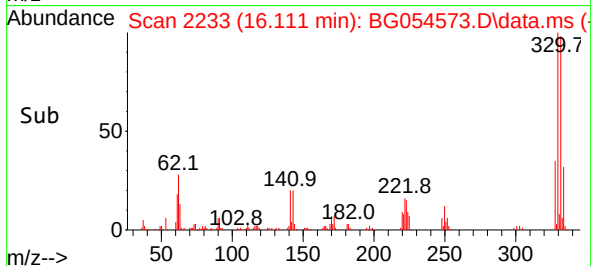


Tgt Ion:330 Resp: 121203
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 20.9 27.1 40.7

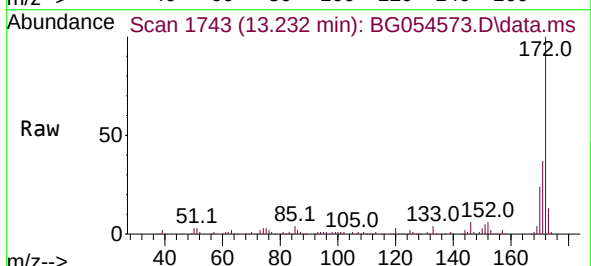
Manual Integrations

APPROVED

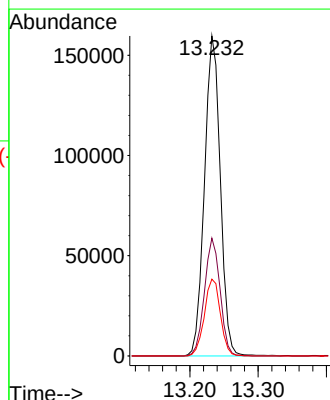
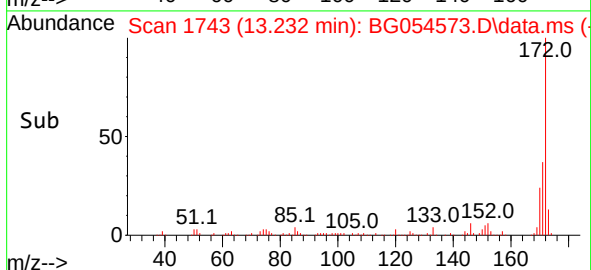
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

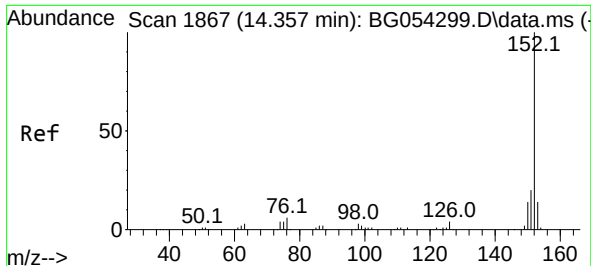


#45
2-Fluorobiphenyl
Concen: 63.516 ng
RT: 13.232 min Scan# 1743
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11



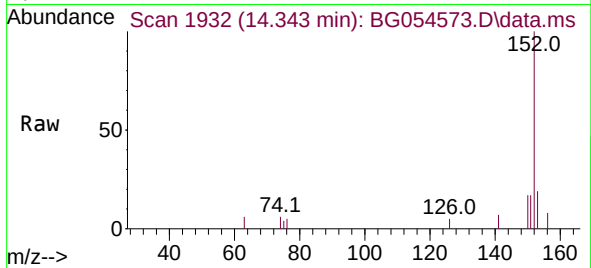
Tgt Ion:172 Resp: 257492
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 24.0 18.9 28.3





#49
Acenaphthylene
Concen: 2.047 ng
RT: 14.343 min Scan# 1932
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

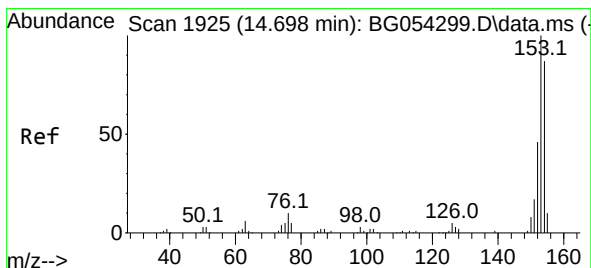
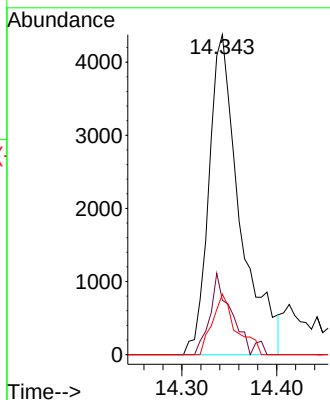
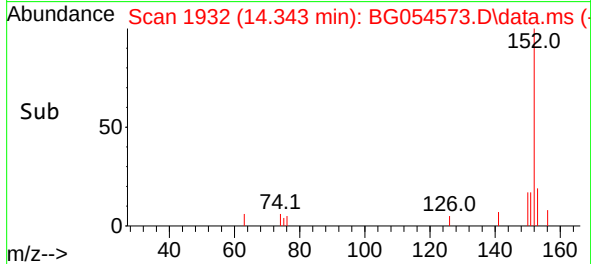
Instrument :
BNA_G
ClientSampleId :
SB-18



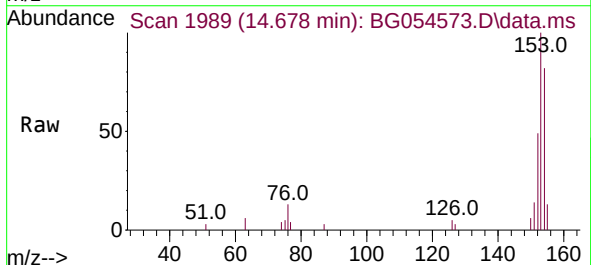
Tgt Ion:152 Resp: 995
Ion Ratio Lower Upper
152 100
151 17.0 16.4 24.6
153 18.9 10.8 16.2

Manual Integrations
APPROVED

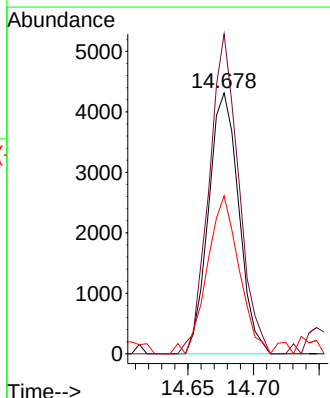
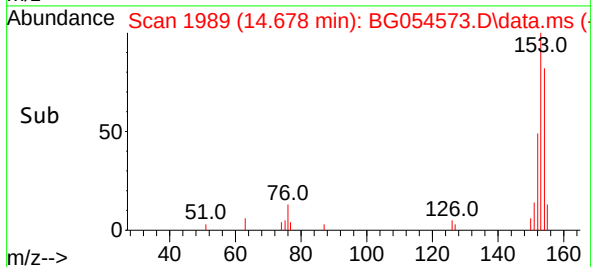
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

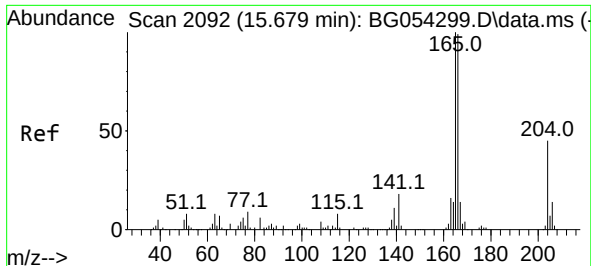


#52
Acenaphthene
Concen: 2.345 ng
RT: 14.678 min Scan# 1989
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11



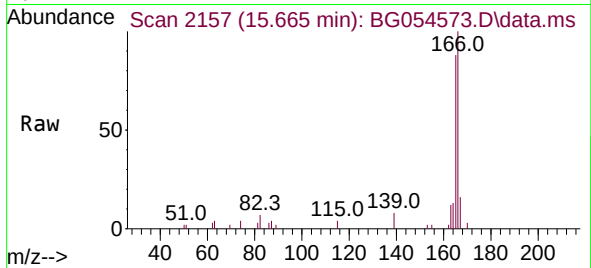
Tgt Ion:154 Resp: 6909
Ion Ratio Lower Upper
154 100
153 122.7 92.7 139.1
152 60.6 42.6 64.0





#58
Fluorene
Concen: 3.168 ng
RT: 15.665 min Scan# 2157
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

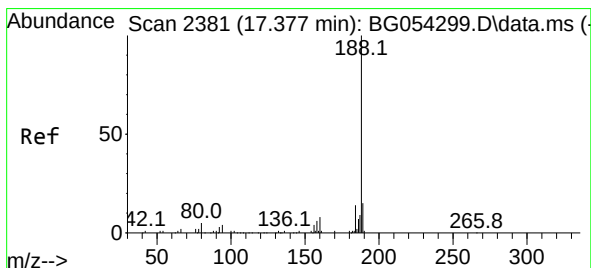
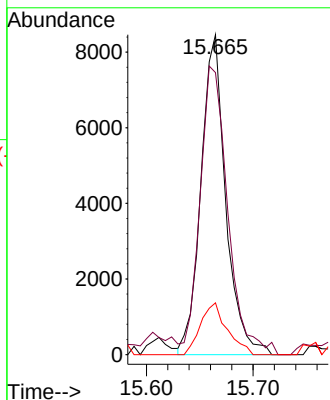
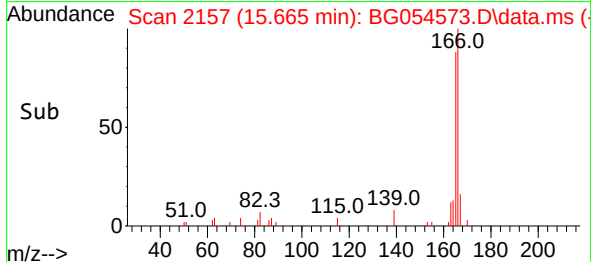
Instrument :
BNA_G
ClientSampleId :
SB-18



Tgt Ion:166 Resp: 1365
Ion Ratio Lower Upper
166 100
165 88.1 75.0 112.6
167 16.2 10.8 16.2

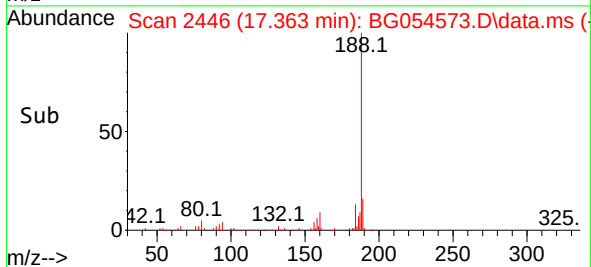
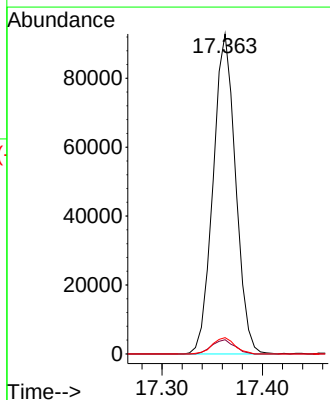
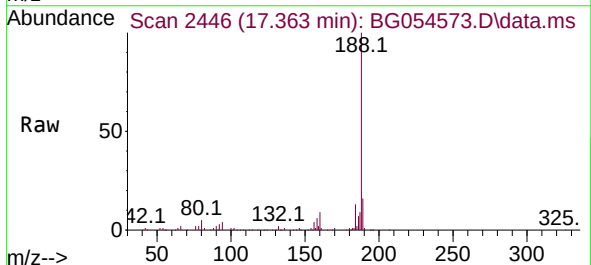
Manual Integrations
APPROVED

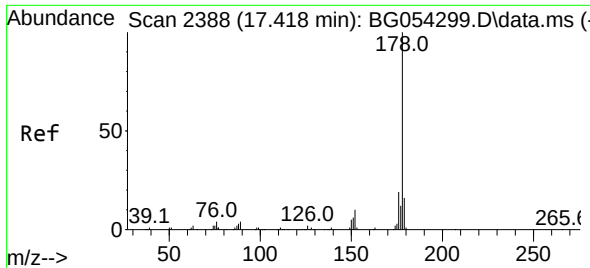
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.363 min Scan# 2446
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

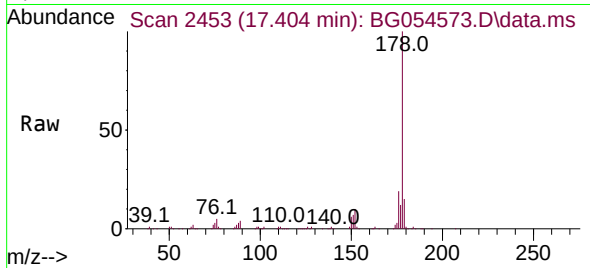
Tgt Ion:188 Resp: 144960
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 5.1 6.8 10.2#





#71
Phenanthrene
Concen: 33.210 ng
RT: 17.404 min Scan# 2469
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

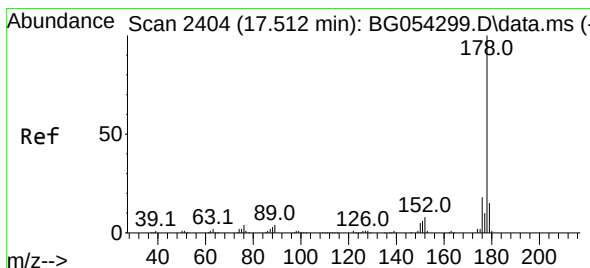
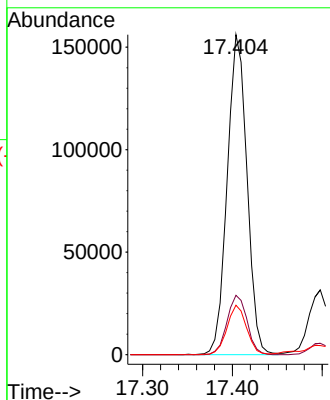
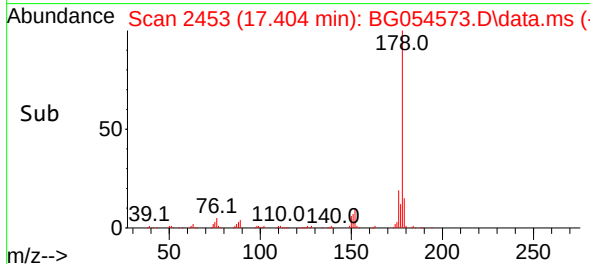
Instrument :
BNA_G
ClientSampleId :
SB-18



Tgt Ion:178 Resp: 239744
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 15.4 12.1 18.1

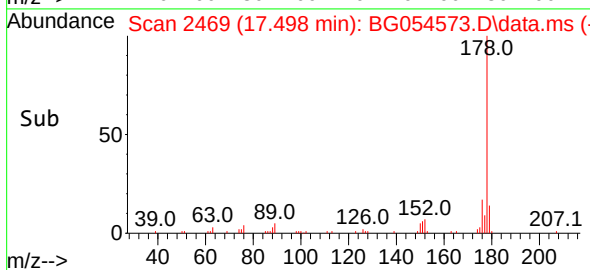
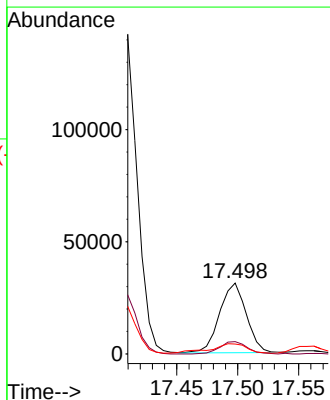
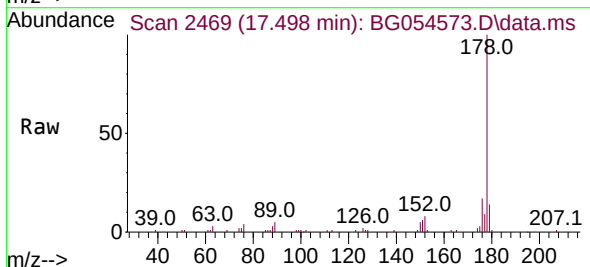
Manual Integrations
APPROVED

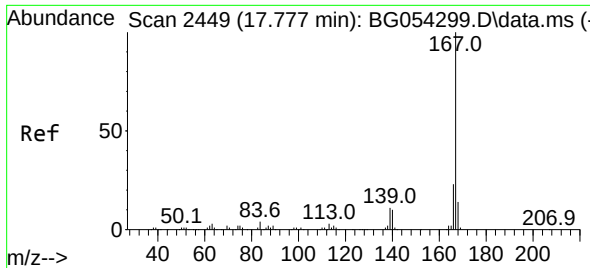
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#72
Anthracene
Concen: 6.688 ng
RT: 17.498 min Scan# 2469
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

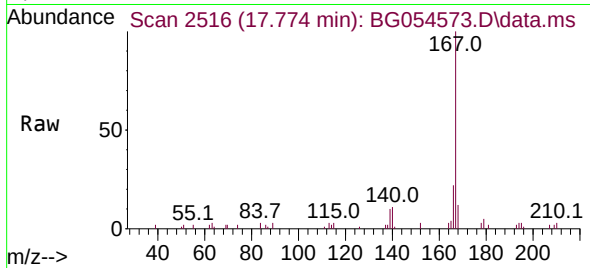
Tgt Ion:178 Resp: 47376
Ion Ratio Lower Upper
178 100
176 17.4 15.2 22.8
179 14.0 13.0 19.4





#73
 Carbazole
 Concen: 3.234 ng
 RT: 17.774 min Scan# 2449
 Delta R.T. 0.001 min
 Lab File: BG054573.D
 Acq: 9 Aug 2022 17:11

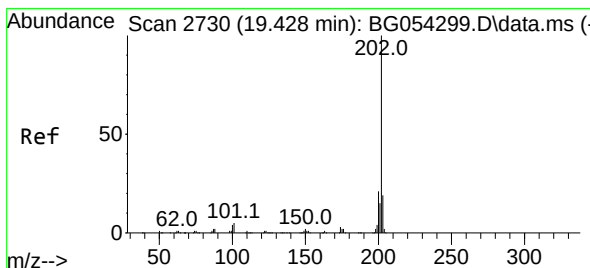
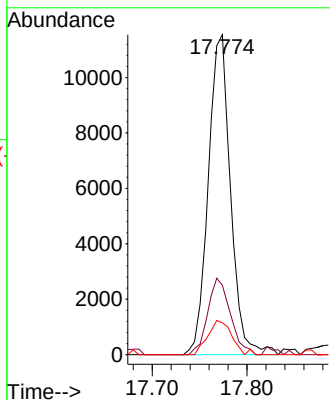
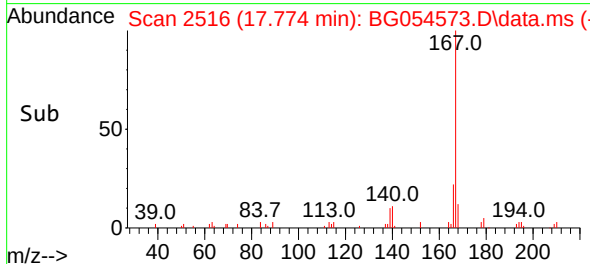
Instrument :
 BNA_G
 ClientSampleId :
 SB-18



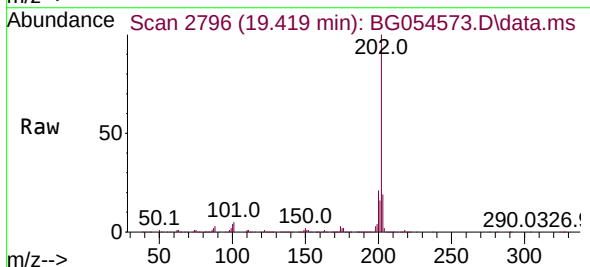
Tgt Ion:167 Resp: 18862
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.2 27.2
 139 9.9 10.1 15.1

Manual Integrations
 APPROVED

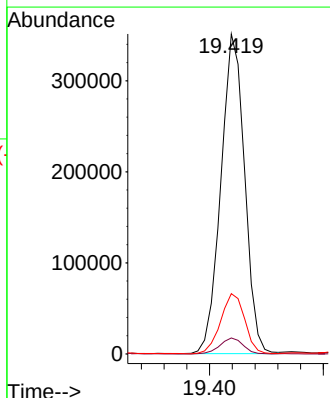
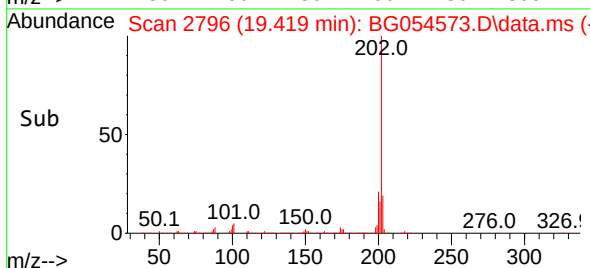
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022

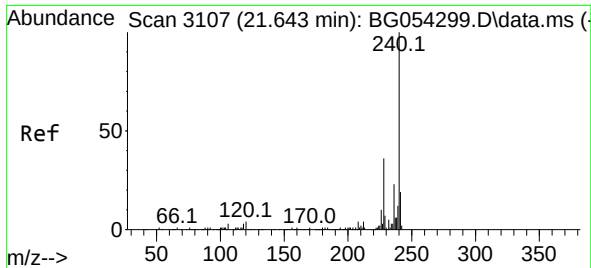


#75
 Fluoranthene
 Concen: 51.593 ng
 RT: 19.419 min Scan# 2796
 Delta R.T. 0.001 min
 Lab File: BG054573.D
 Acq: 9 Aug 2022 17:11



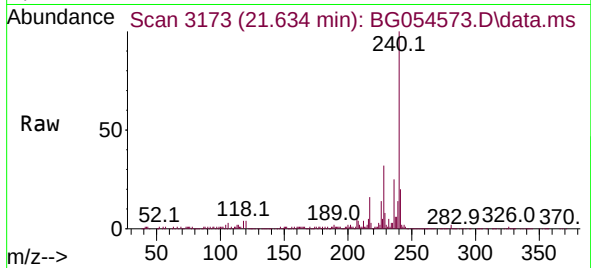
Tgt Ion:202 Resp: 507706
 Ion Ratio Lower Upper
 202 100
 101 5.0 0.0 26.9
 203 18.8 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.634 min Scan# 3107
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

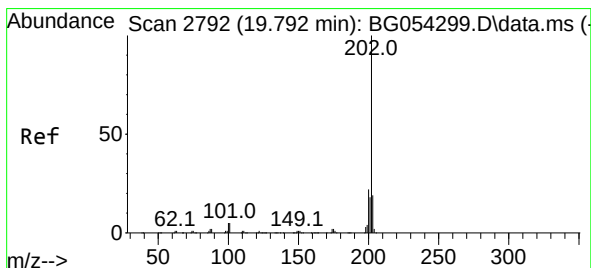
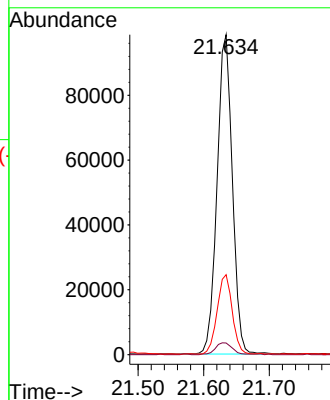
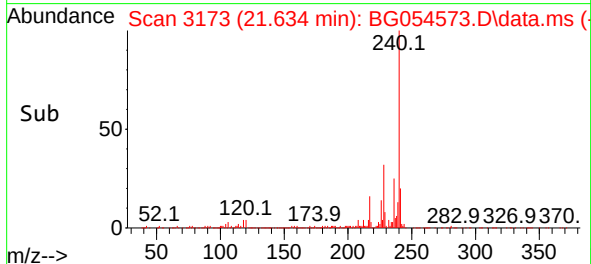
Instrument :
BNA_G
ClientSampleId :
SB-18



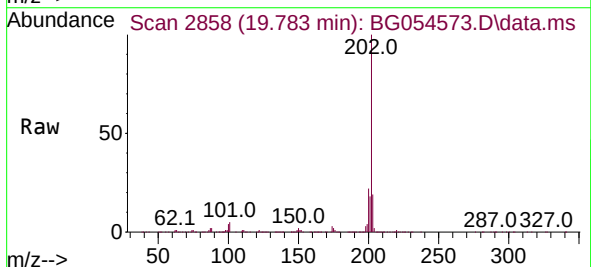
Tgt Ion:240 Resp: 159922
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0
236 25.0 20.2 30.4

Manual Integrations
APPROVED

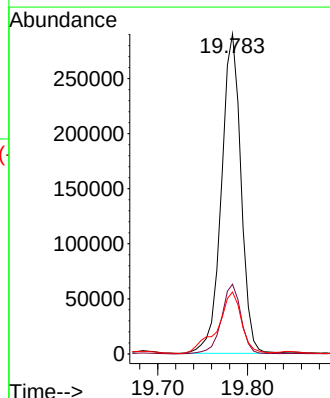
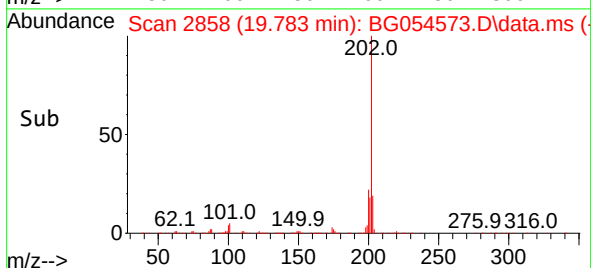
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

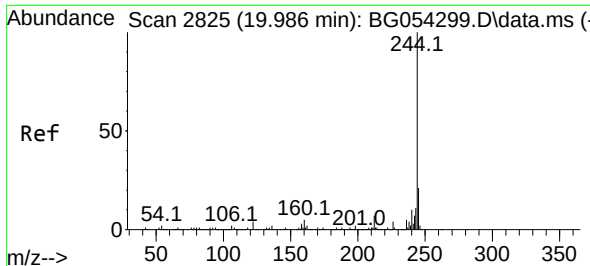


#78
Pyrene
Concen: 47.908 ng
RT: 19.783 min Scan# 2858
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11



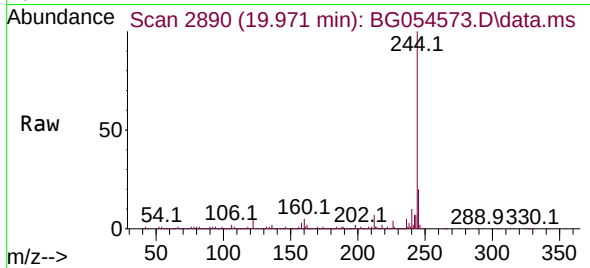
Tgt Ion:202 Resp: 439612
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 19.3 14.6 21.8





#79
 Terphenyl-d14
 Concen: 63.115 ng
 RT: 19.971 min Scan# 2825
 Delta R.T. 0.001 min
 Lab File: BG054573.D
 Acq: 9 Aug 2022 17:11

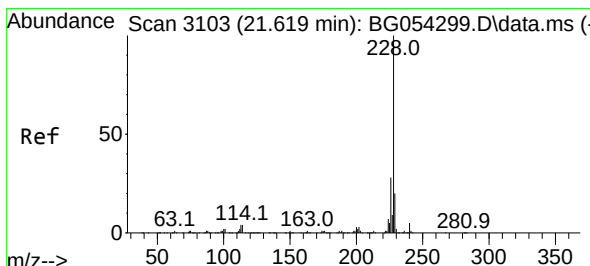
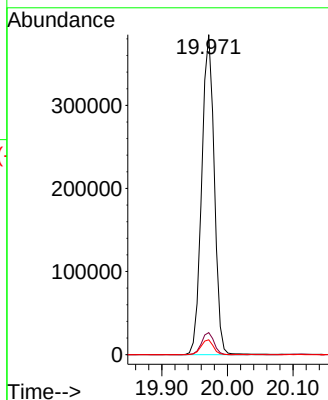
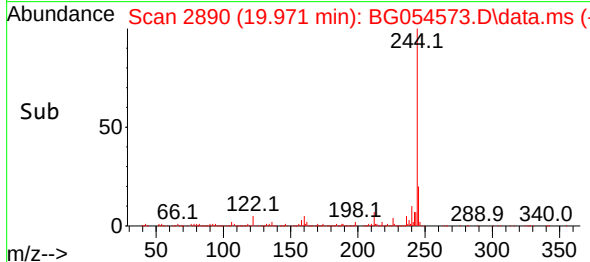
Instrument :
 BNA_G
 ClientSampleId :
 SB-18



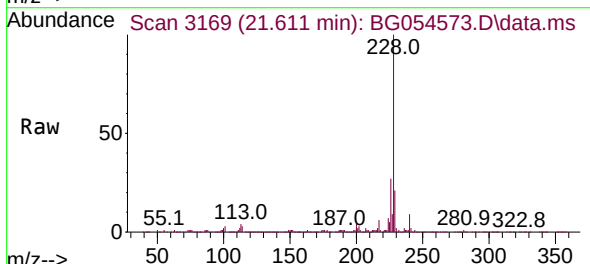
Tgt Ion:244 Resp: 508795
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.6 5.0 7.4

Manual Integrations
 APPROVED

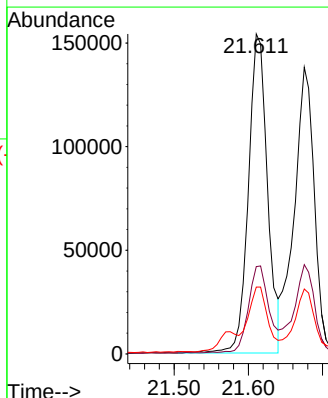
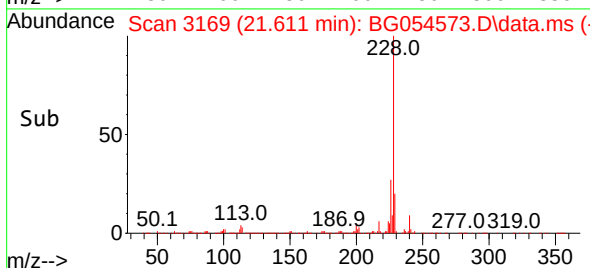
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022

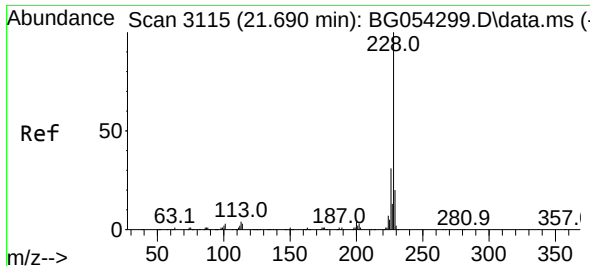


#81
 Benzo(a)anthracene
 Concen: 27.177 ng
 RT: 21.611 min Scan# 3169
 Delta R.T. -0.005 min
 Lab File: BG054573.D
 Acq: 9 Aug 2022 17:11



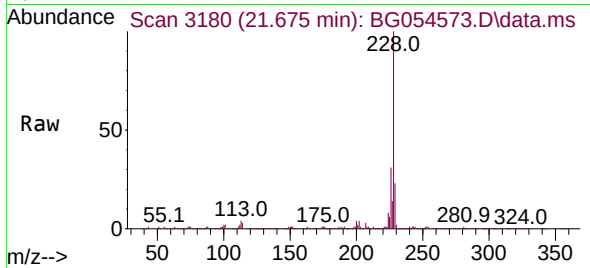
Tgt Ion:228 Resp: 275890
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.6 32.4
 229 20.9 16.2 24.2





#83
Chrysene
Concen: 27.077 ng
RT: 21.675 min Scan# 3115
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

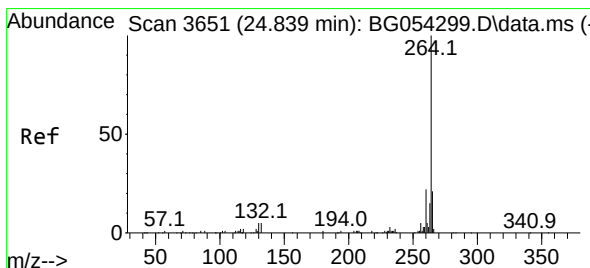
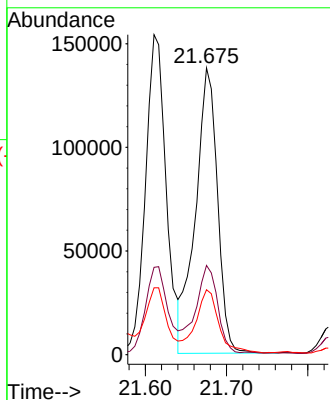
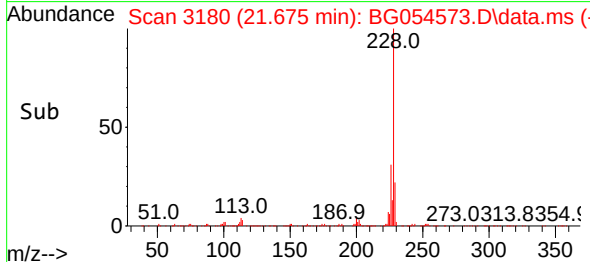
Instrument :
BNA_G
ClientSampleId :
SB-18



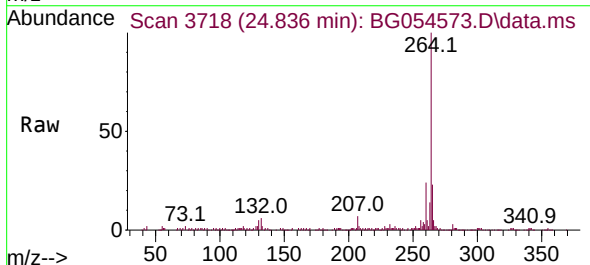
Tgt Ion:228 Resp: 259696
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 22.7 15.5 23.3

Manual Integrations
APPROVED

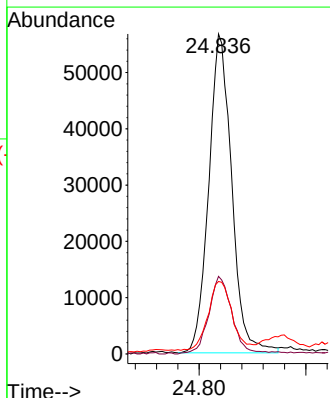
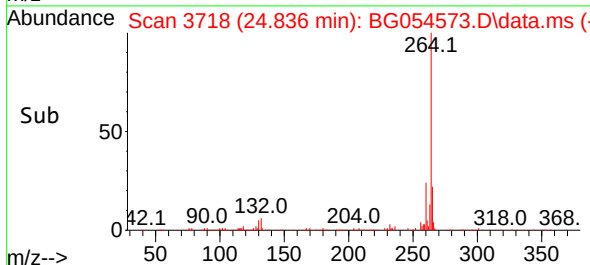
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

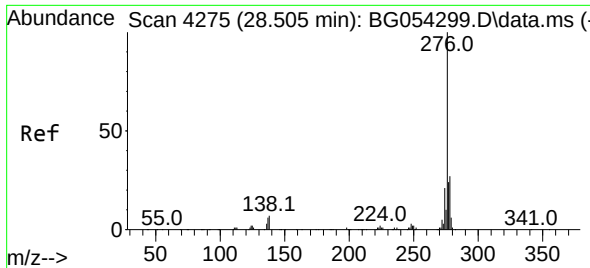


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.836 min Scan# 3718
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11



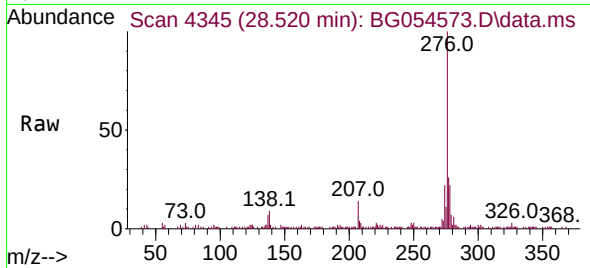
Tgt Ion:264 Resp: 169292
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 22.6 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.627 ng
 RT: 28.520 min Scan# 4345
 Delta R.T. -0.010 min
 Lab File: BG054573.D
 Acq: 9 Aug 2022 17:11

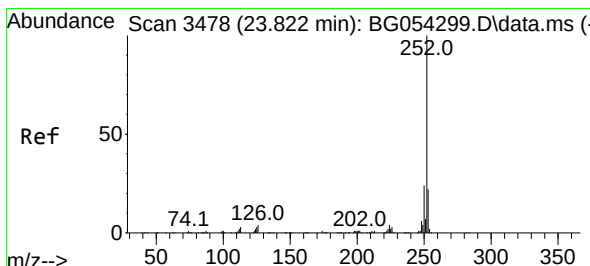
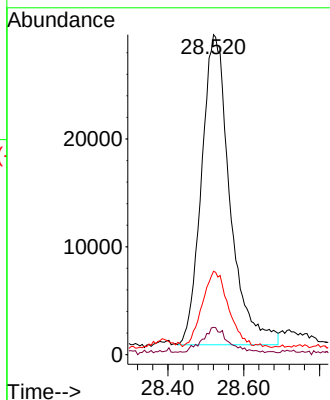
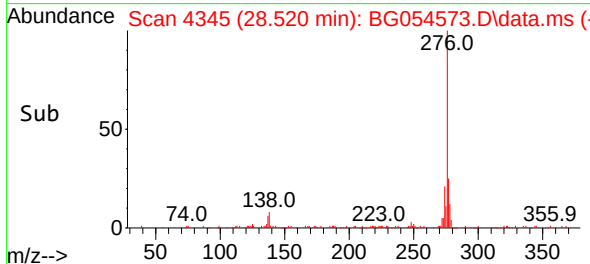
Instrument :
 BNA_G
 ClientSampleId :
 SB-18



Tgt Ion:276 Resp: 14973
 Ion Ratio Lower Upper
 276 100
 138 7.3 5.0 7.4
 277 22.2 20.3 30.5

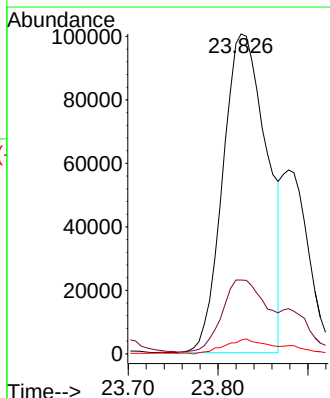
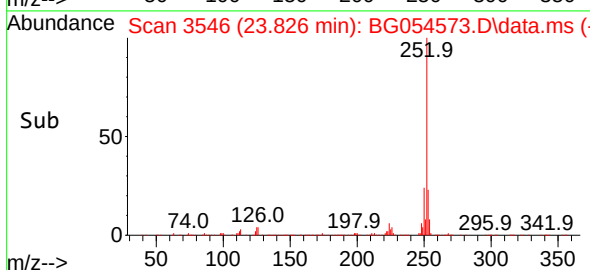
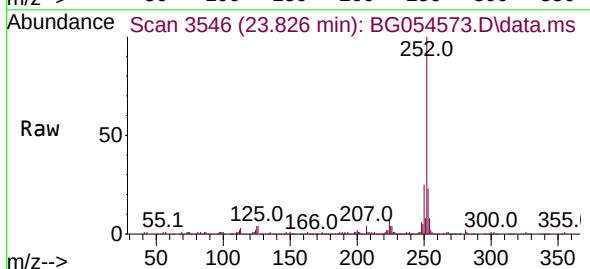
Manual Integrations
 APPROVED

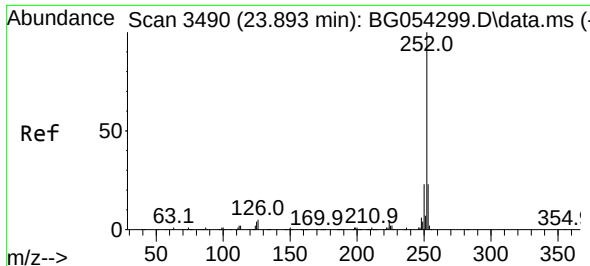
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022



#88
 Benzo(b)fluoranthene
 Concen: 34.237 ng
 RT: 23.826 min Scan# 3546
 Delta R.T. 0.007 min
 Lab File: BG054573.D
 Acq: 9 Aug 2022 17:11

Tgt Ion:252 Resp: 342768
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.0 27.0
 125 4.3 4.6 6.8#





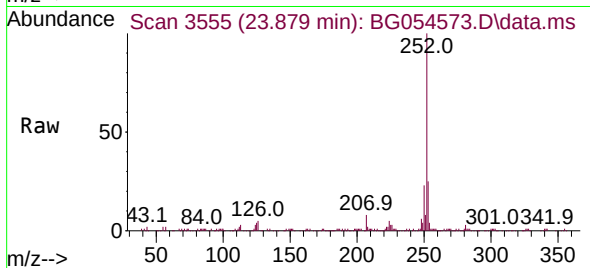
#89
Benzo(k)fluoranthene
Concen: 11.949 ng m
RT: 23.879 min Scan# 3490
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Instrument :

BNA_G

ClientSampleId :

SB-18

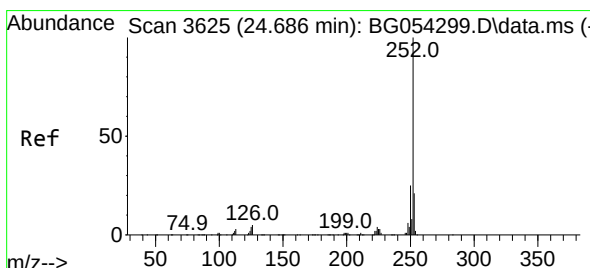
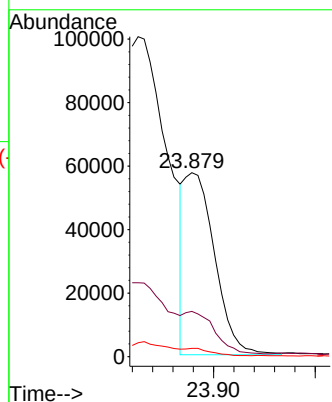
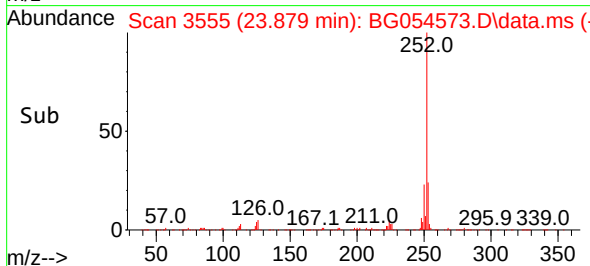


Tgt Ion:252 Resp: 119052
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 4.5 4.8 7.2

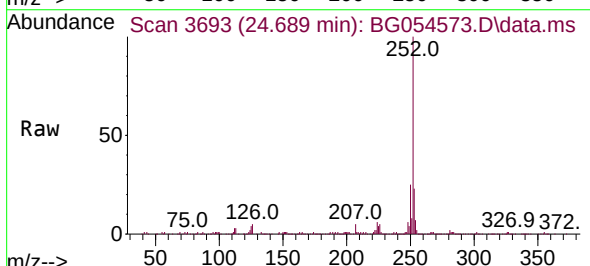
Manual Integrations

APPROVED

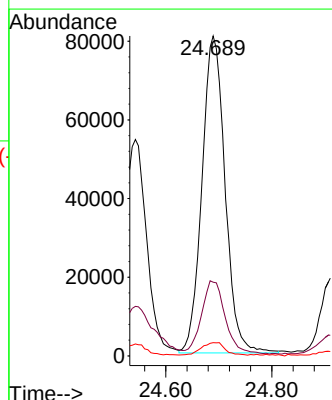
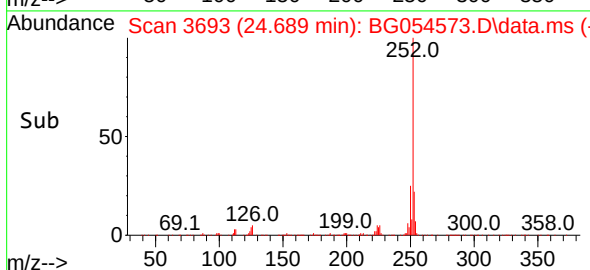
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

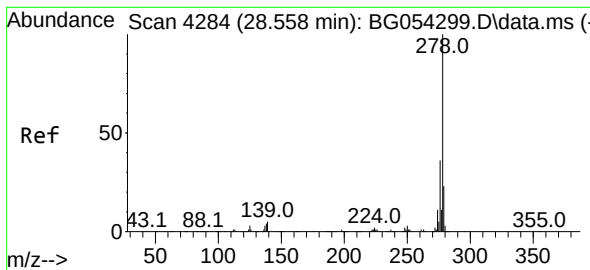


#90
Benzo(a)pyrene
Concen: 28.560 ng m
RT: 24.689 min Scan# 3693
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11



Tgt Ion:252 Resp: 244192
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 4.1 4.3 6.5





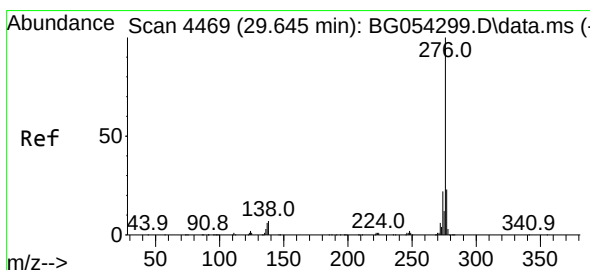
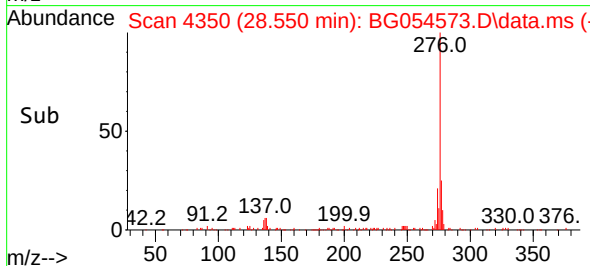
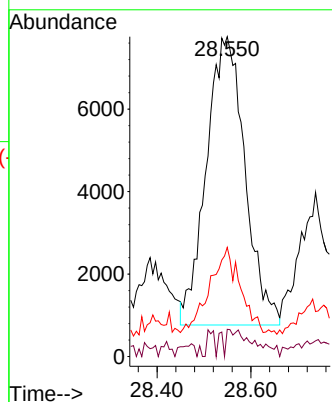
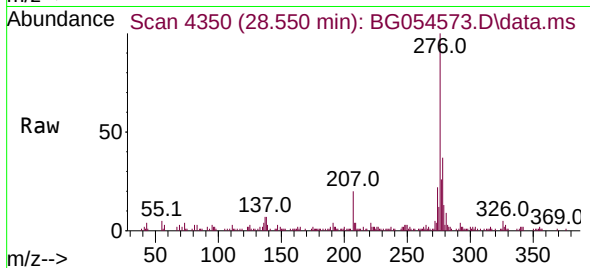
#91
Dibenzo(a,h)anthracene
Concen: 3.774 ng m
RT: 28.550 min Scan# 431
Delta R.T. -0.022 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Instrument :
BNA_G
ClientSampleId :
SB-18

Tgt Ion:278 Resp: 3997
Ion Ratio Lower Upper
278 100
139 8.5 7.2 10.8
279 34.1 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#92
Benzo(g,h,i)perylene
Concen: 12.704 ng
RT: 29.678 min Scan# 4542
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:276 Resp: 132786
Ion Ratio Lower Upper
276 100
277 26.0 17.3 25.9#
138 6.7 9.6 14.4#

