

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
 Data File : BG054713.D
 Acq On : 23 Aug 2022 19:03
 Operator : CG/JU
 Sample : N4140-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LINDEN-MR-B1B-SP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/24/2022
 Supervised By : Jagrut Upadhyay 08/24/2022

Quant Time: Aug 24 01:51:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 03:09:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	60874	20.000	ng	0.00
21) Naphthalene-d8	10.984	136	253927	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	153983	20.000	ng	0.00
64) Phenanthrene-d10	17.535	188	298195	20.000	ng	0.00
76) Chrysene-d12	21.836	240	270686	20.000	ng	0.01
86) Perylene-d12	25.226	264	283722	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	302676	93.696	ng	0.00
7) Phenol-d6	7.300	99	410212	90.626	ng	0.00
23) Nitrobenzene-d5	9.333	82	253212	56.828	ng	0.00
42) 2,4,6-Tribromophenol	16.278	330	146505	118.805	ng	0.00
45) 2-Fluorobiphenyl	13.417	172	566428	54.247	ng	0.00
79) Terphenyl-d14	20.144	244	733886	53.857	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	11.037	128	32870	2.405	ng	99
52) Acenaphthene	14.856	154	27525	3.108	ng	97
55) Dibenzofuran	15.185	168	27213	2.027	ng	98
58) Fluorene	15.837	166	26770	2.412	ng	99
71) Phenanthrene	17.577	178	234836	14.775	ng	99
72) Anthracene	17.671	178	35853m	2.328	ng	
73) Carbazole	17.935	167	29908	2.183	ng	# 86
75) Fluoranthene	19.609	202	299289	15.971	ng	99
78) Pyrene	19.956	202	244146	12.787	ng	98
81) Benzo(a)anthracene	21.819	228	73834	4.016	ng	# 86
83) Chrysene	21.889	228	75828	4.334	ng	# 89
84) Bis(2-ethylhexyl)phtha...	21.707	149	14352	5.575	ng	# 84
88) Benzo(b)fluoranthene	24.145	252	75910	4.309	ng	# 80
90) Benzo(a)pyrene	25.056	252	49045	3.244	ng	# 81
92) Benzo(g,h,i)perylene	30.326	276	40289m	2.369	ng	

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

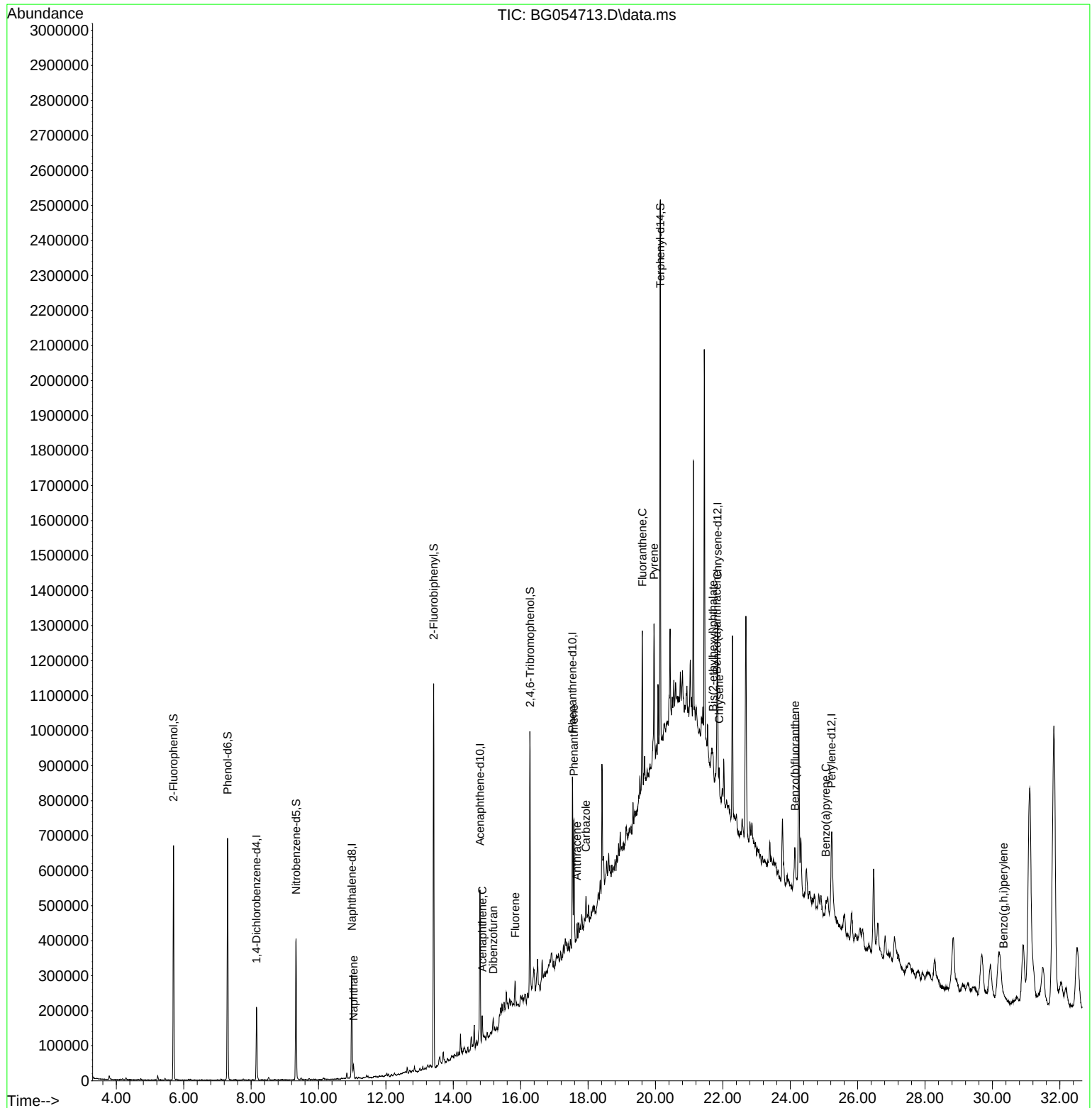
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
Data File : BG054713.D
Acq On : 23 Aug 2022 19:03
Operator : CG/JU
Sample : N4140-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

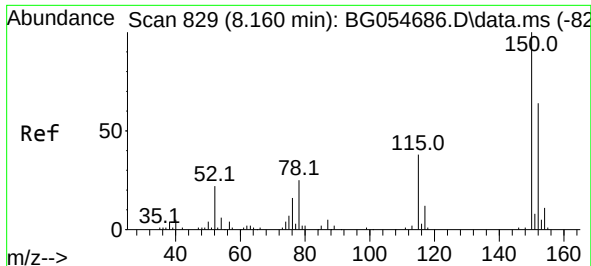
Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP

Quant Time: Aug 24 01:51:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 23 03:09:46 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

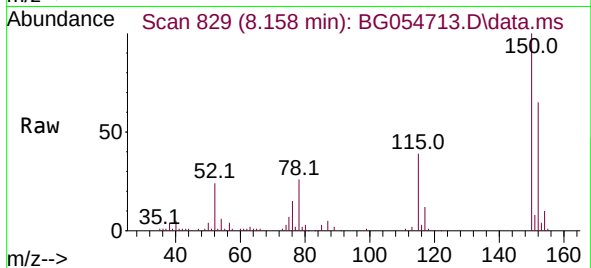
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.158 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

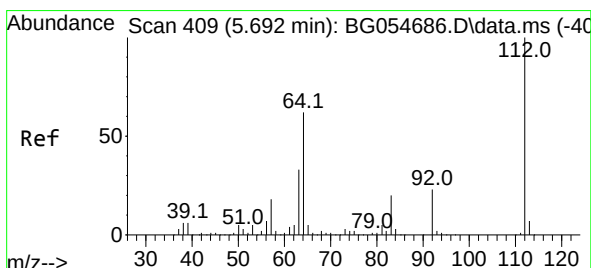
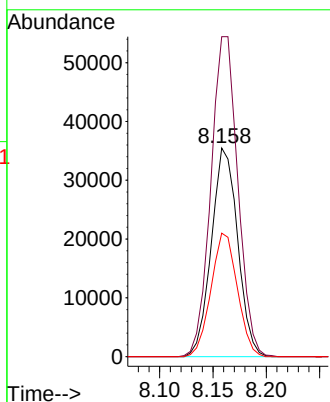
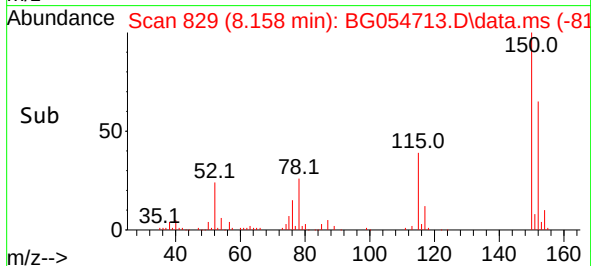
Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP



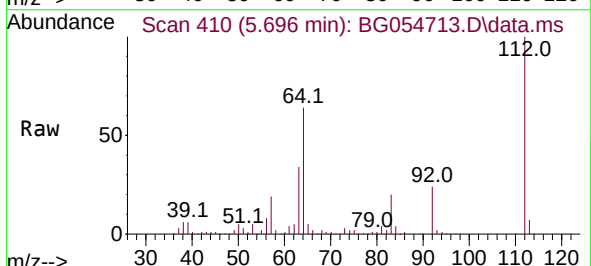
Tgt Ion:152 Resp: 60874
Ion Ratio Lower Upper
152 100
150 153.4 125.2 187.8
115 59.2 47.9 71.9

Manual Integrations
APPROVED

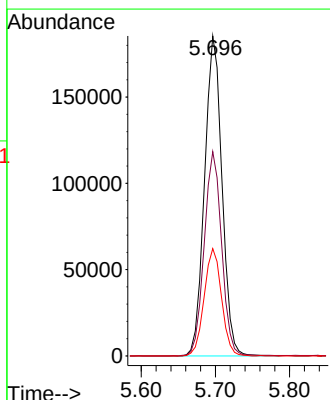
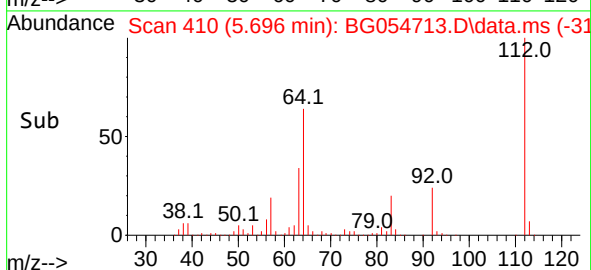
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

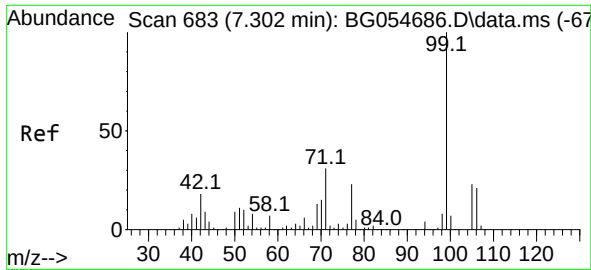


#5
2-Fluorophenol
Concen: 93.696 ng
RT: 5.696 min Scan# 410
Delta R.T. 0.004 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03



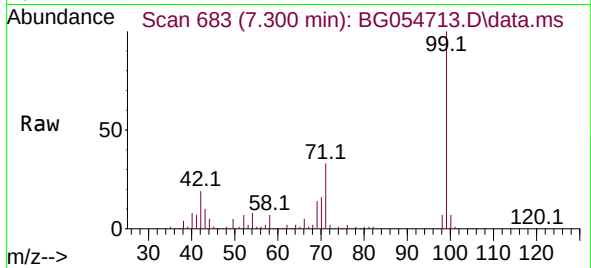
Tgt Ion:112 Resp: 302676
Ion Ratio Lower Upper
112 100
64 63.9 49.3 73.9
63 33.5 26.3 39.5





#7
Phenol-d6
Concen: 90.626 ng
RT: 7.300 min Scan# 683
Delta R.T. -0.001 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

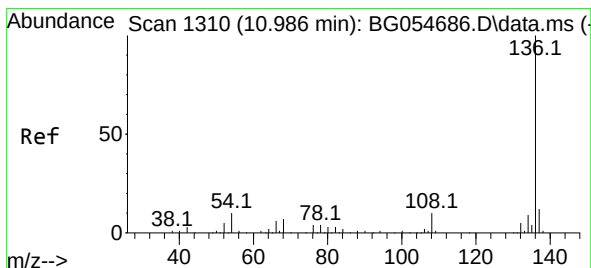
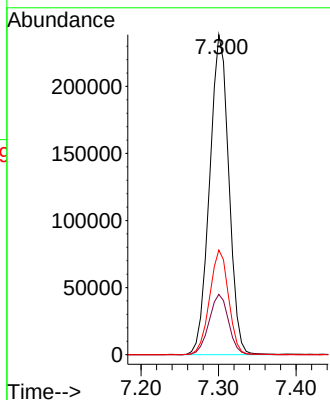
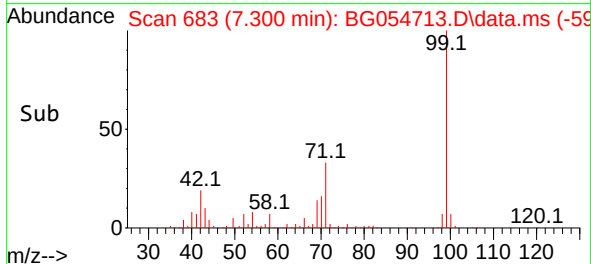
Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP



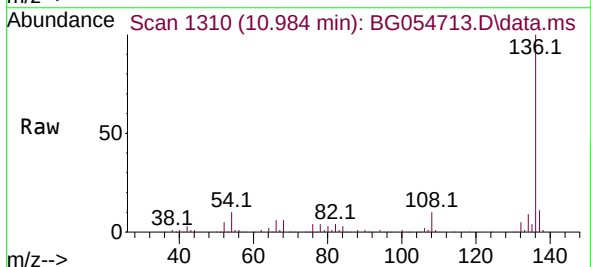
Tgt Ion: 99 Resp: 410212
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 32.7 24.6 37.0

Manual Integrations
APPROVED

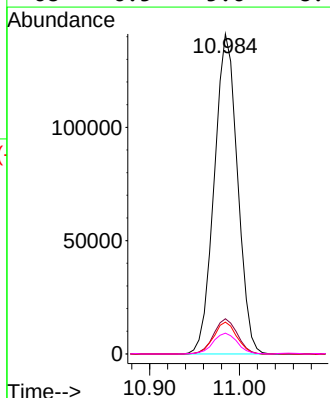
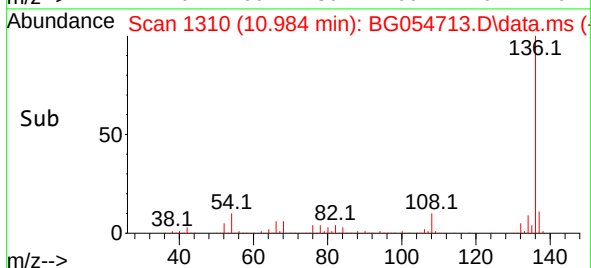
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

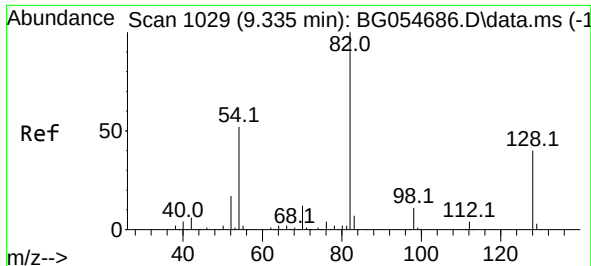


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1310
Delta R.T. -0.002 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03



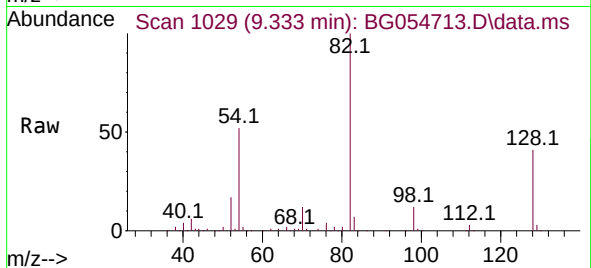
Tgt Ion:136 Resp: 253927
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 9.9 7.7 11.5
68 6.5 5.6 8.4





#23
Nitrobenzene-d5
Concen: 56.828 ng
RT: 9.333 min Scan# 1029
Delta R.T. -0.001 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

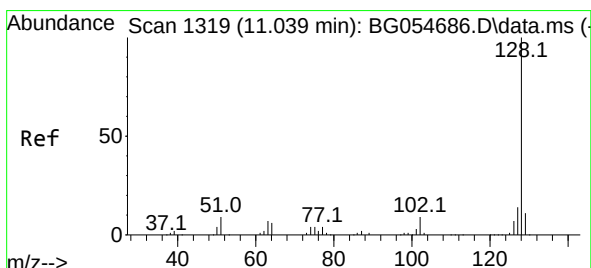
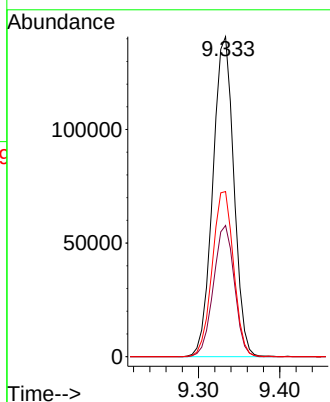
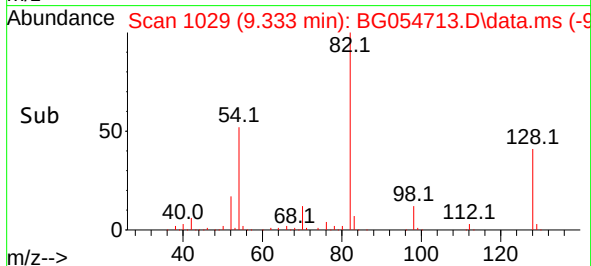
Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP



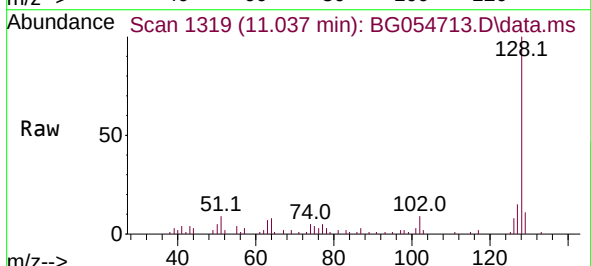
Tgt Ion: 82 Resp: 253212
Ion Ratio Lower Upper
82 100
128 41.0 32.2 48.2
54 51.6 41.4 62.0

Manual Integrations
APPROVED

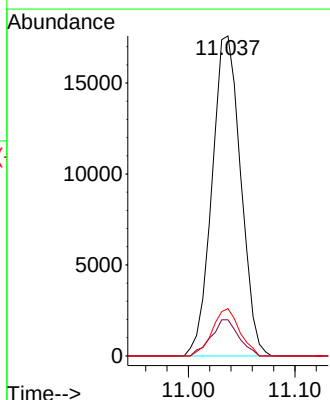
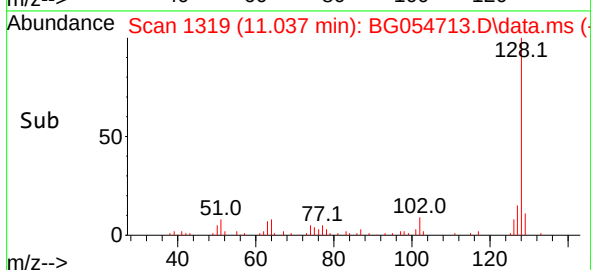
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

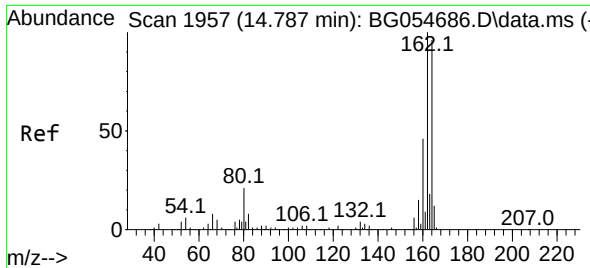


#31
Naphthalene
Concen: 2.405 ng
RT: 11.037 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03



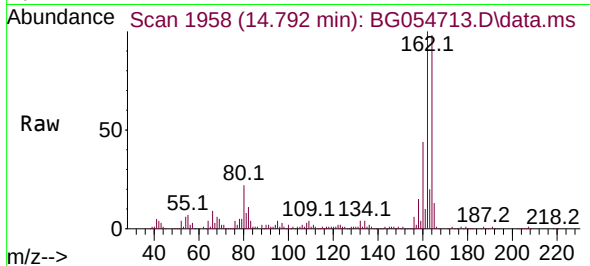
Tgt Ion:128 Resp: 32870
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 14.8 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1958
Delta R.T. 0.005 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

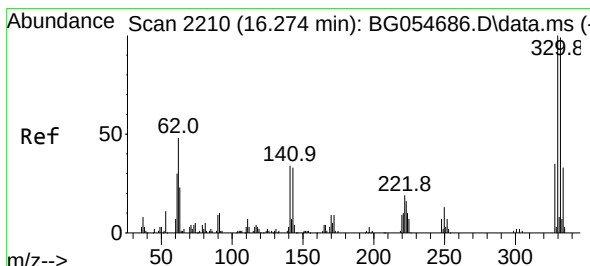
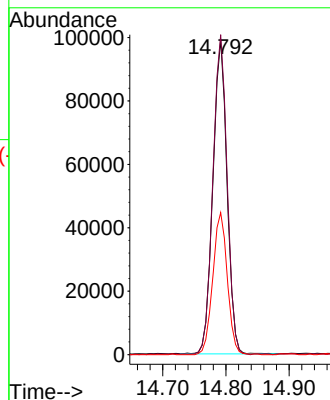
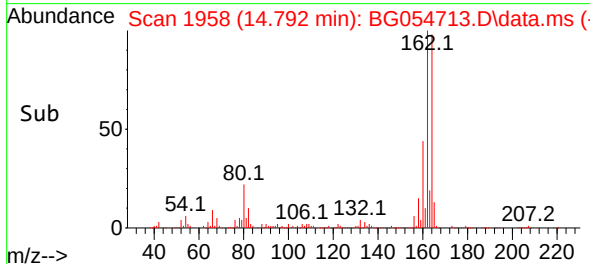
Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP



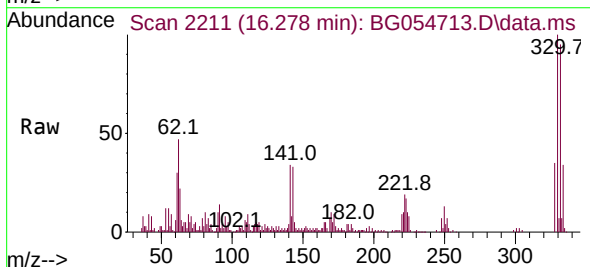
Tgt Ion:164 Resp: 153983
Ion Ratio Lower Upper
164 100
162 101.7 83.0 124.4
160 45.1 38.0 57.0

Manual Integrations
APPROVED

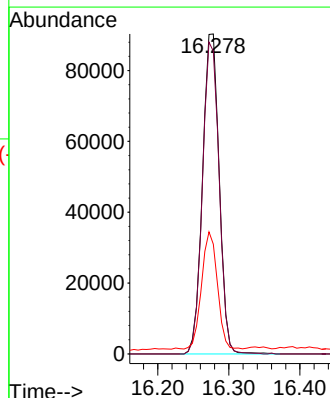
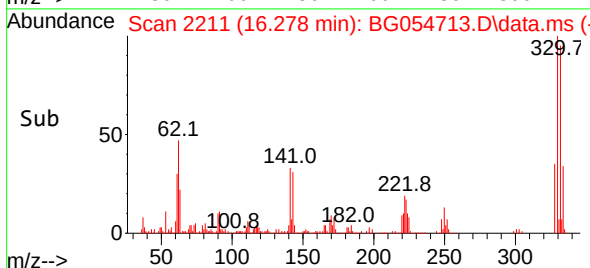
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

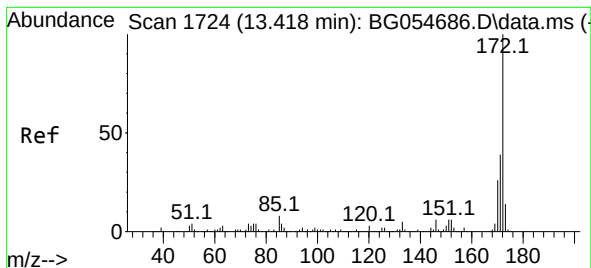


#42
2,4,6-Tribromophenol
Concen: 118.805 ng
RT: 16.278 min Scan# 2211
Delta R.T. 0.004 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03



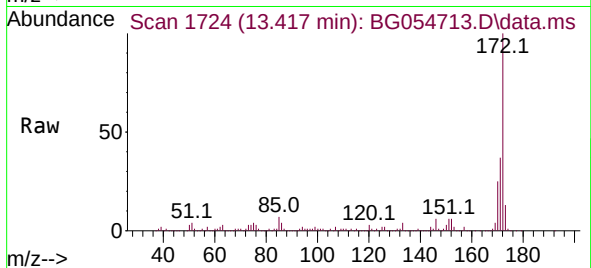
Tgt Ion:330 Resp: 146505
Ion Ratio Lower Upper
330 100
332 97.0 79.8 119.6
141 34.8 26.8 40.2





#45
2-Fluorobiphenyl
Concen: 54.247 ng
RT: 13.417 min Scan# 1724
Delta R.T. -0.001 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

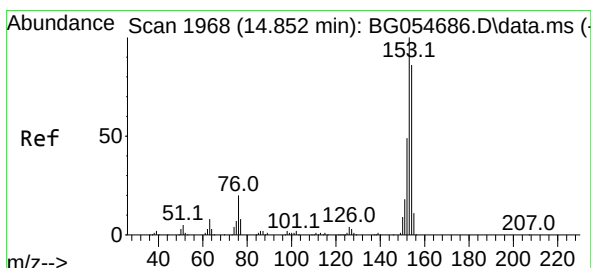
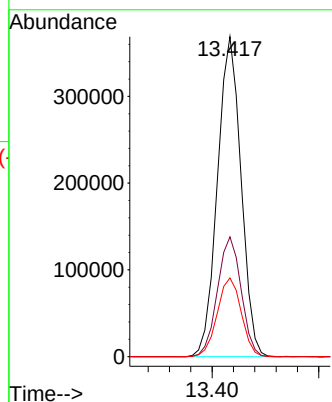
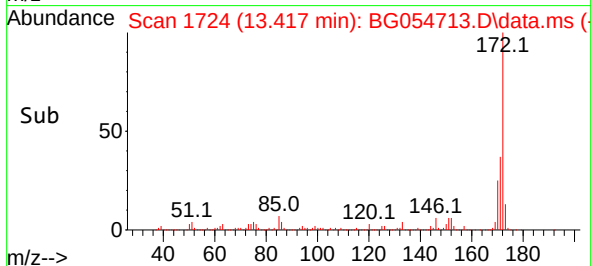
Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP



Tgt Ion:172 Resp: 566428
Ion Ratio Lower Upper
172 100
171 37.4 31.2 46.8
170 24.6 20.6 30.8

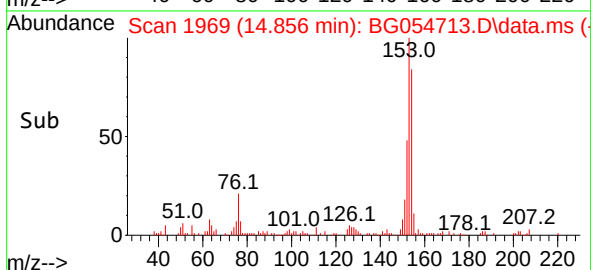
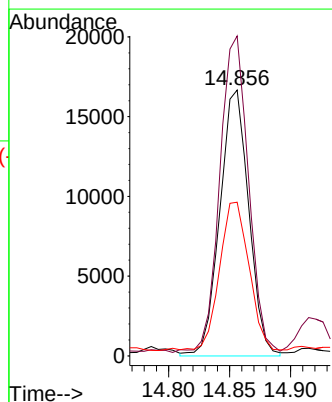
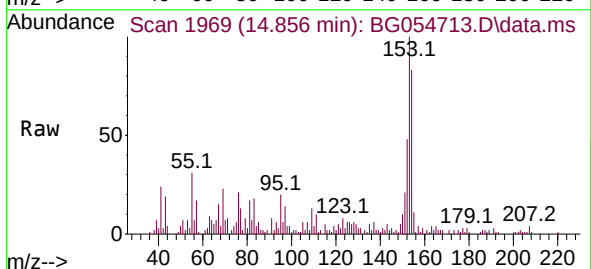
Manual Integrations
APPROVED

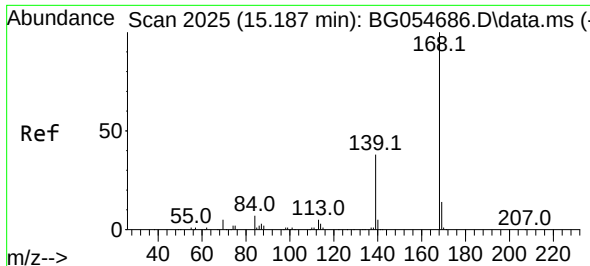
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#52
Acenaphthene
Concen: 3.108 ng
RT: 14.856 min Scan# 1969
Delta R.T. 0.004 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion:154 Resp: 27525
Ion Ratio Lower Upper
154 100
153 120.3 92.8 139.2
152 57.8 45.4 68.2





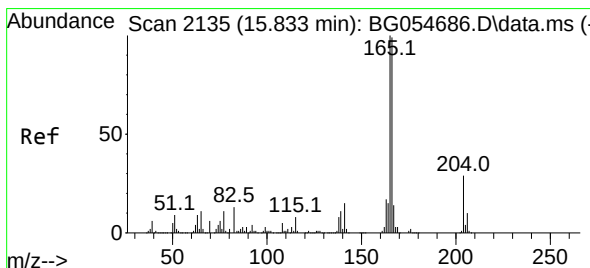
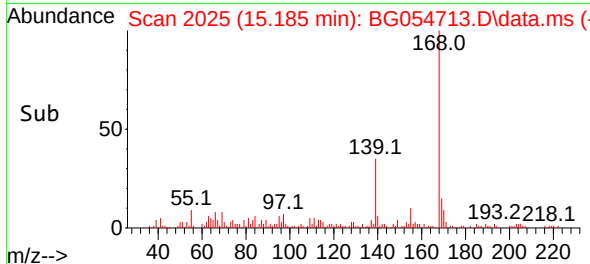
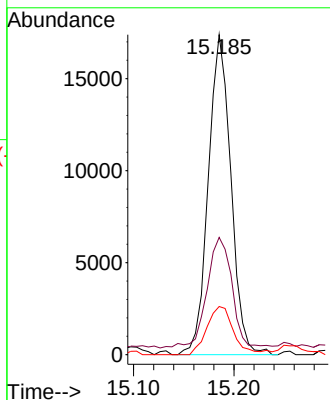
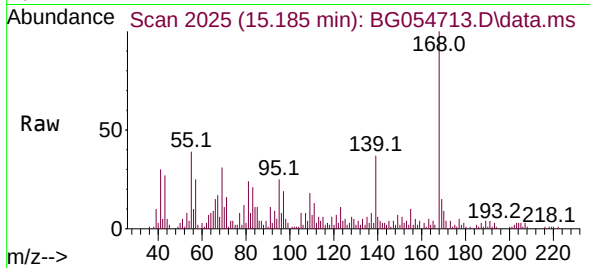
#55
Dibenzenofuran
Concen: 2.027 ng
RT: 15.185 min Scan# 2025
Delta R.T. -0.002 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP

Tgt Ion:168 Resp: 27213
Ion Ratio Lower Upper
168 100
139 36.6 30.2 45.2
169 15.0 11.3 16.9

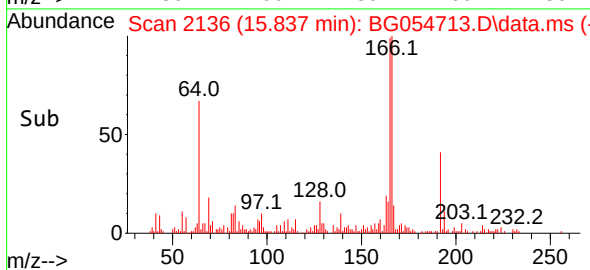
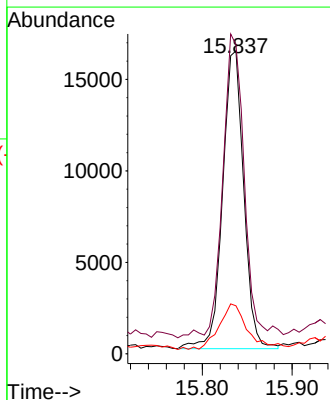
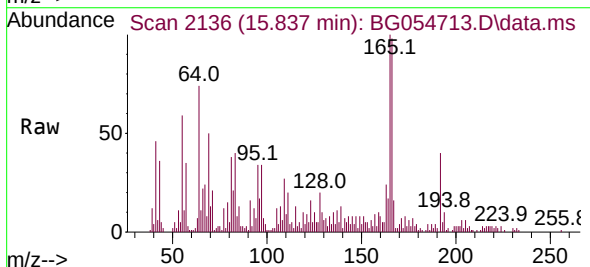
Manual Integrations
APPROVED

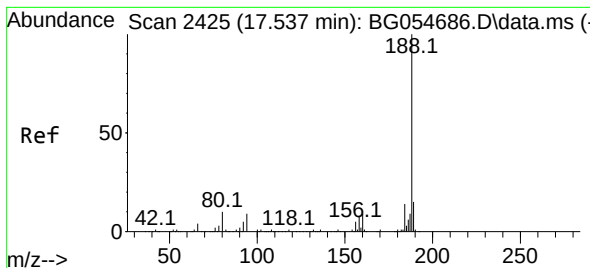
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#58
Fluorene
Concen: 2.412 ng
RT: 15.837 min Scan# 2136
Delta R.T. 0.004 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion:166 Resp: 26770
Ion Ratio Lower Upper
166 100
165 102.0 80.8 121.2
167 15.8 11.4 17.0





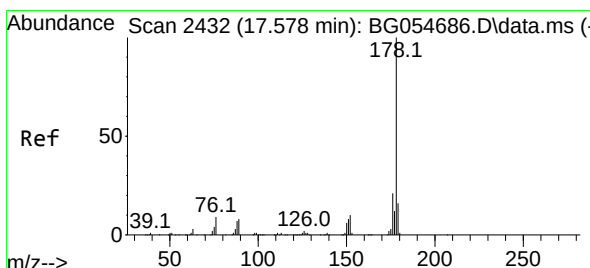
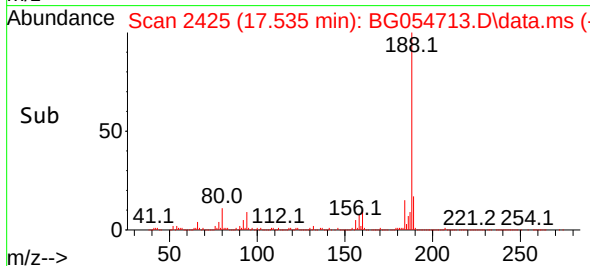
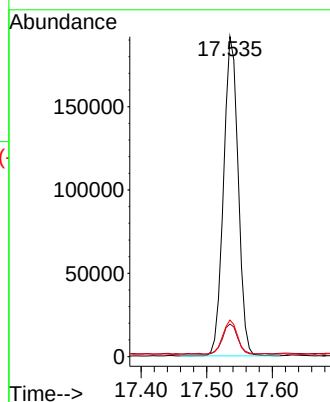
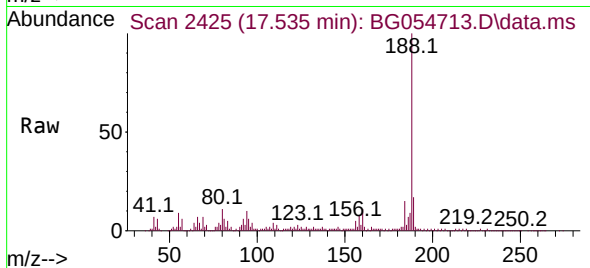
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.535 min Scan# 2425
Delta R.T. -0.002 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP

Tgt Ion:188 Resp: 298195
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.4
80 11.4 7.9 11.9

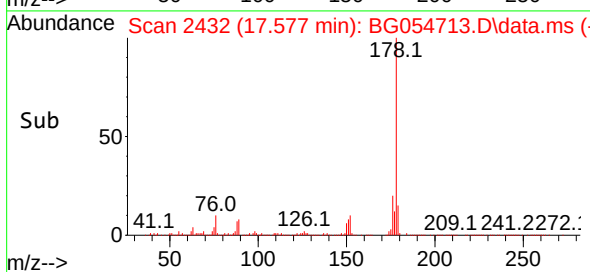
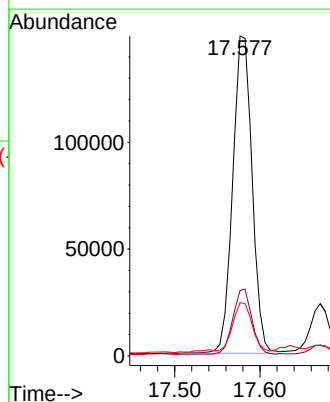
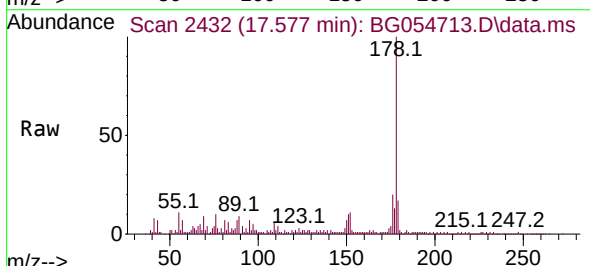
Manual Integrations
APPROVED

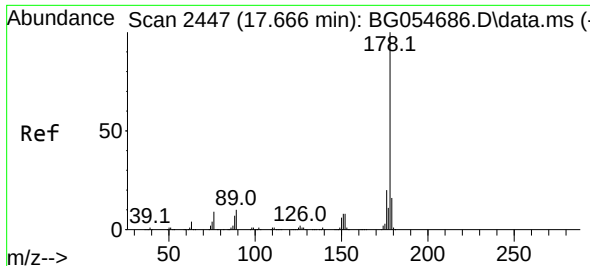
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#71
Phenanthrene
Concen: 14.775 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

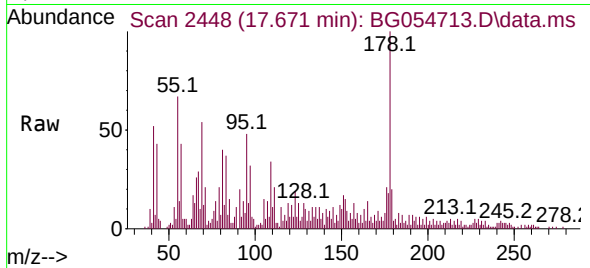
Tgt Ion:178 Resp: 234836
Ion Ratio Lower Upper
178 100
176 20.4 16.6 25.0
179 16.6 12.8 19.2





#72
 Anthracene
 Concen: 2.328 ng m
 RT: 17.671 min Scan# 2448
 Delta R.T. 0.004 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

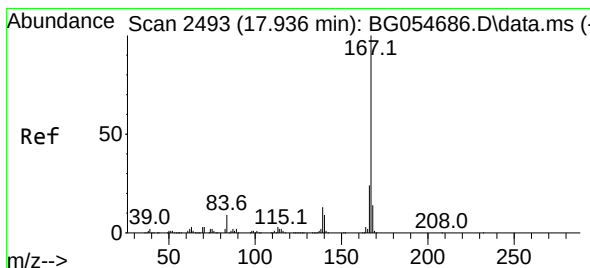
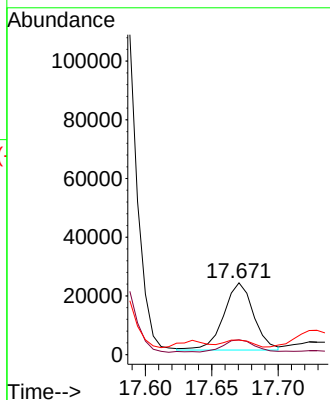
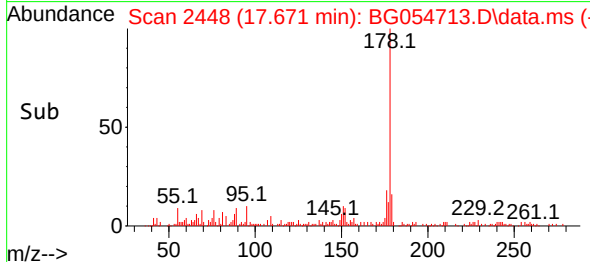
Instrument :
 BNA_G
 ClientSampleId :
 LINDEN-MR-B1B-SP



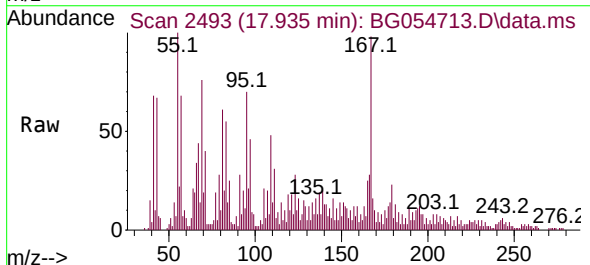
Tgt Ion:178 Resp: 35853
 Ion Ratio Lower Upper
 178 100
 176 20.6 16.2 24.4
 179 20.3 12.9 19.3

Manual Integrations
 APPROVED

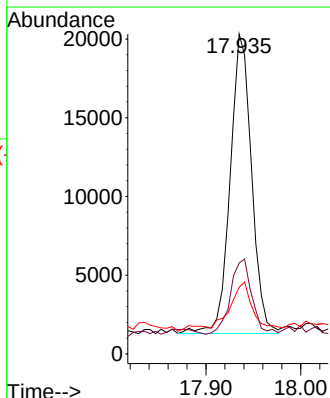
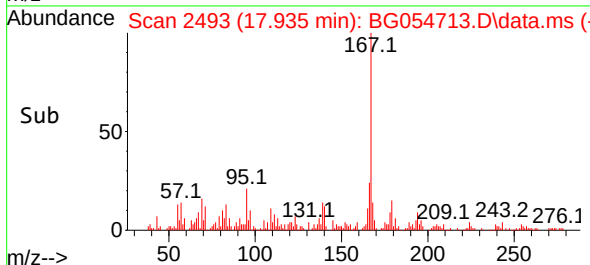
Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022

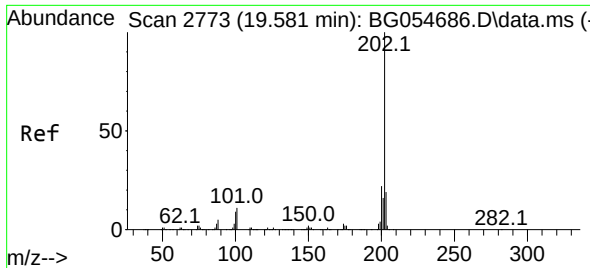


#73
 Carbazole
 Concen: 2.183 ng
 RT: 17.935 min Scan# 2493
 Delta R.T. -0.001 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03



Tgt Ion:167 Resp: 29908
 Ion Ratio Lower Upper
 167 100
 166 28.4 18.8 28.2#
 139 20.8 10.2 15.4#





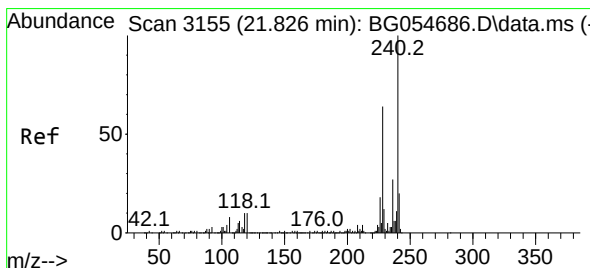
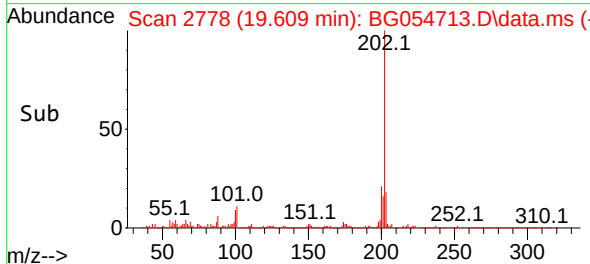
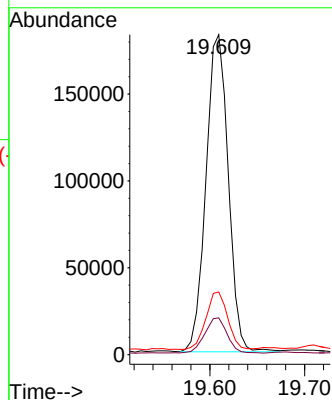
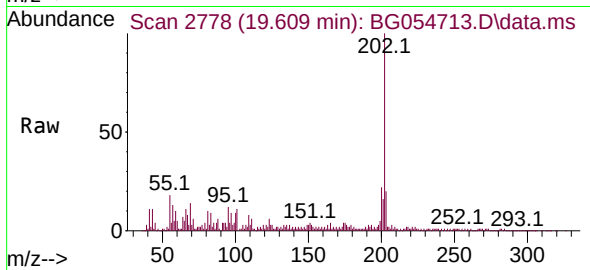
#75
Fluoranthene
Concen: 15.971 ng
RT: 19.609 min Scan# 21
Delta R.T. 0.028 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP

Tgt Ion:202 Resp: 299289
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 19.6 0.0 38.6

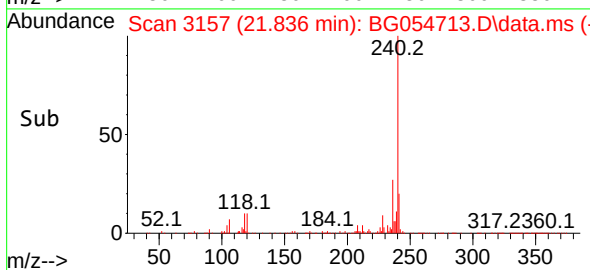
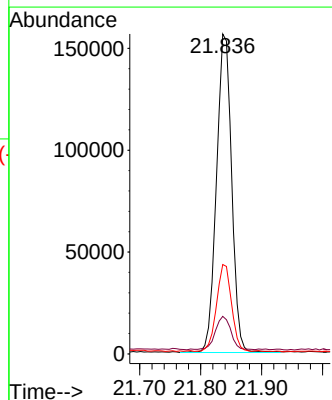
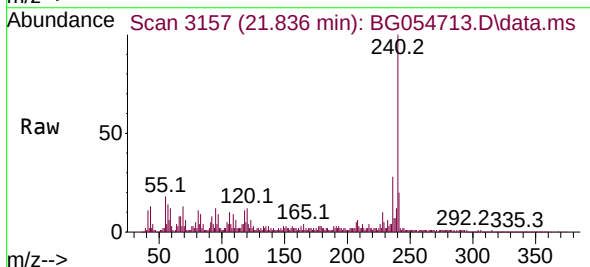
Manual Integrations
APPROVED

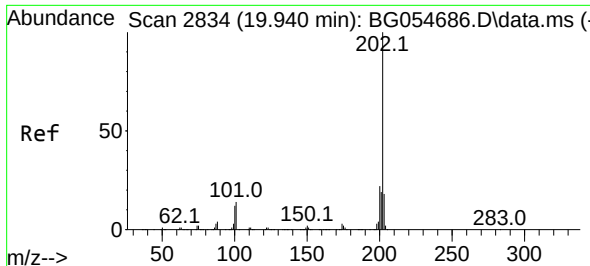
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.836 min Scan# 3157
Delta R.T. 0.010 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

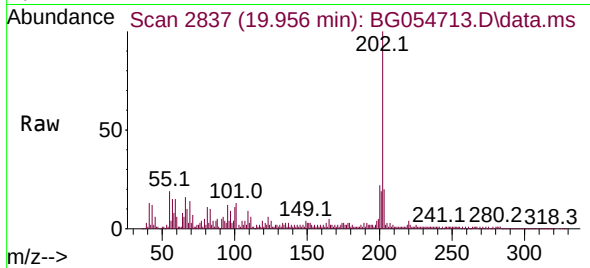
Tgt Ion:240 Resp: 270686
Ion Ratio Lower Upper
240 100
120 11.8 8.2 12.4
236 27.9 21.2 31.8





#78
 Pyrene
 Concen: 12.787 ng
 RT: 19.956 min Scan# 2837
 Delta R.T. 0.016 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

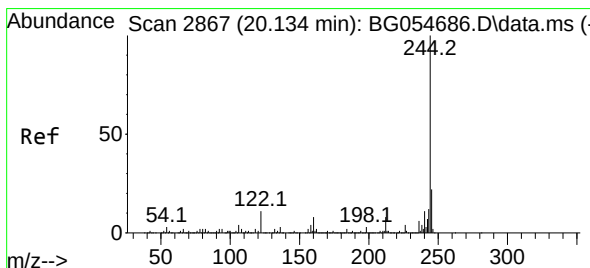
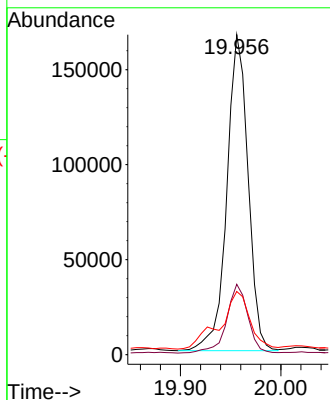
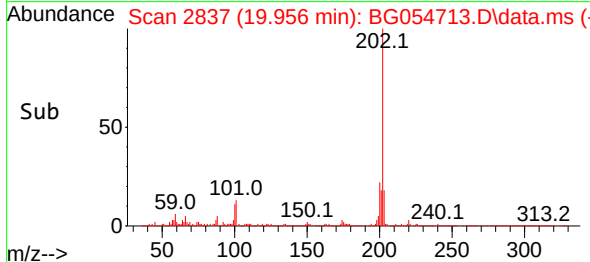
Instrument :
 BNA_G
 ClientSampleId :
 LINDEN-MR-B1B-SP



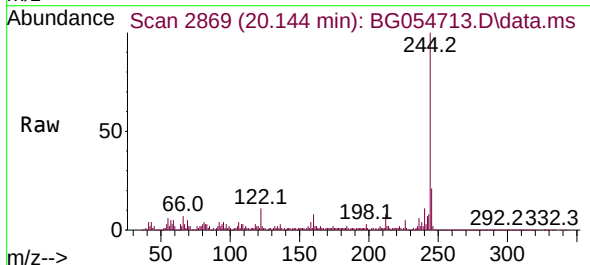
Tgt Ion:202 Resp: 244146
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.8 26.6
 203 19.7 14.6 21.8

Manual Integrations
 APPROVED

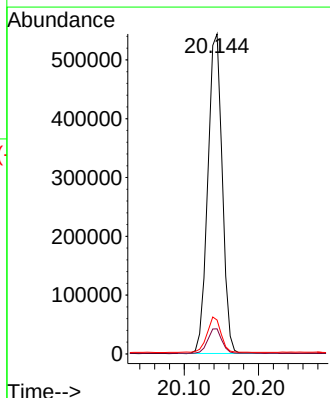
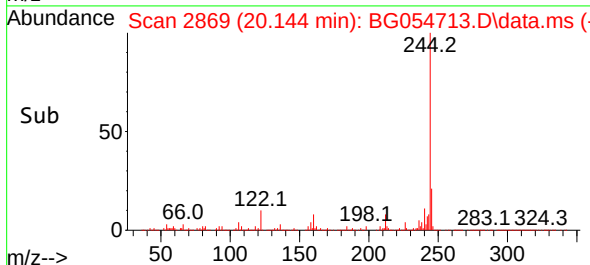
Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022

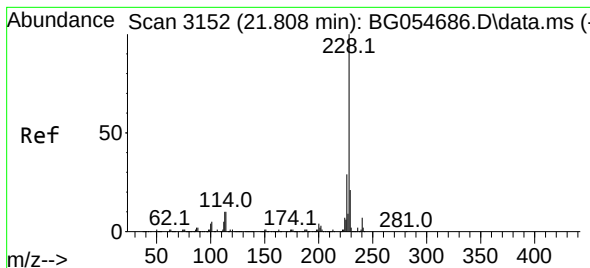


#79
 Terphenyl-d14
 Concen: 53.857 ng
 RT: 20.144 min Scan# 2869
 Delta R.T. 0.010 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03



Tgt Ion:244 Resp: 733886
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 10.6 9.0 13.6





#81

Benzo(a)anthracene

Concen: 4.016 ng

RT: 21.819 min Scan# 3152

Delta R.T. 0.010 min

Lab File: BG054713.D

Acq: 23 Aug 2022 19:03

Instrument :

BNA_G

ClientSampleId :

LINDEN-MR-B1B-SP

Tgt Ion:228 Resp: 73834

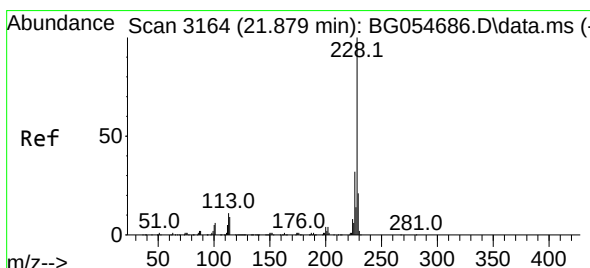
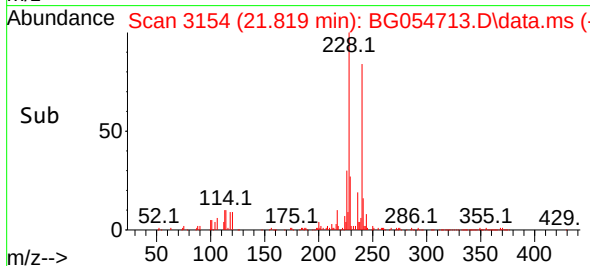
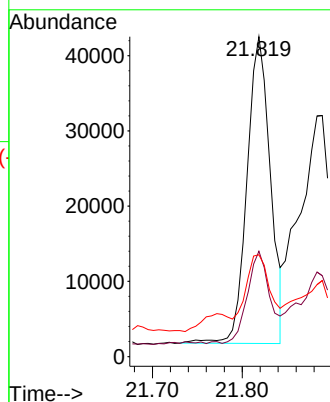
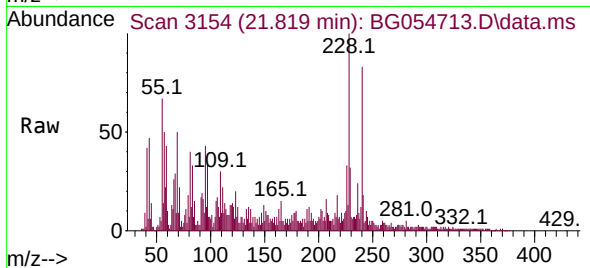
Ion	Ratio	Lower	Upper
228	100		
226	32.9	23.4	35.2
229	31.9	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/24/2022

Supervised By :Jagrut Upadhyay 08/24/2022



#83

Chrysene

Concen: 4.334 ng

RT: 21.889 min Scan# 3166

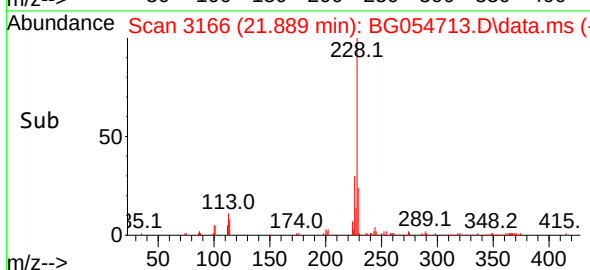
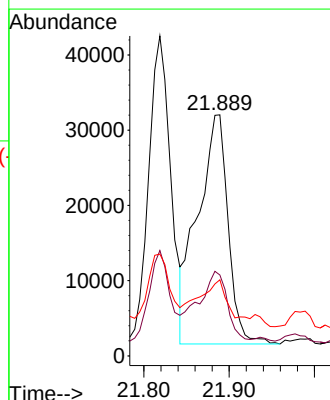
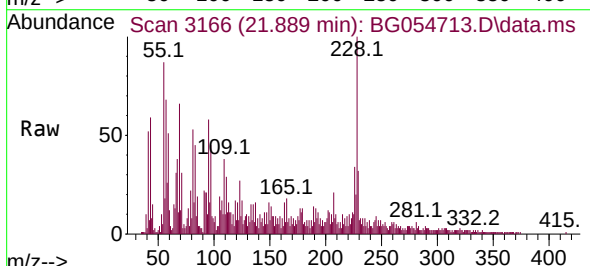
Delta R.T. 0.010 min

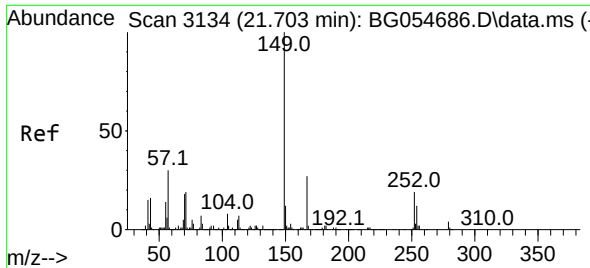
Lab File: BG054713.D

Acq: 23 Aug 2022 19:03

Tgt Ion:228 Resp: 75828

Ion	Ratio	Lower	Upper
228	100		
226	33.5	25.5	38.3
229	31.6	16.8	25.2





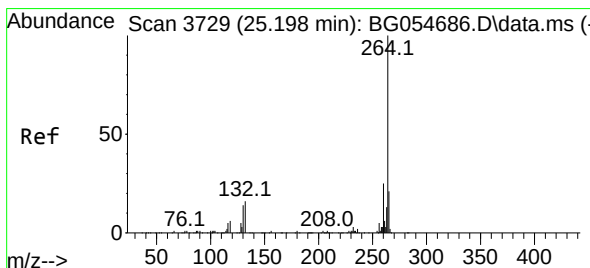
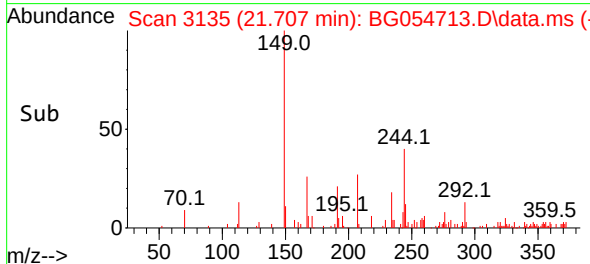
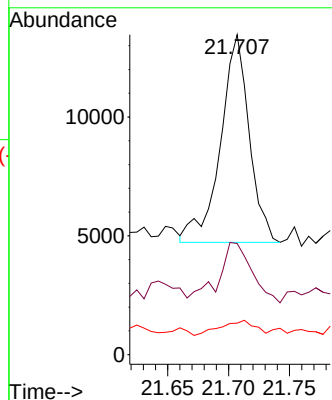
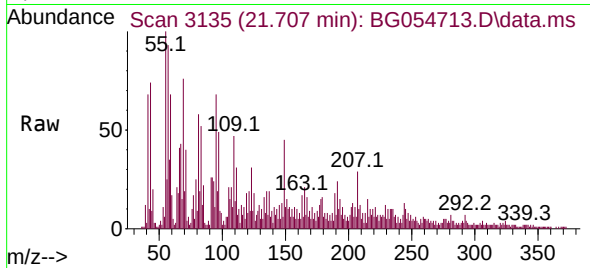
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.575 ng
RT: 21.707 min Scan# 3134
Delta R.T. 0.004 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP

Tgt Ion:149 Resp: 14352
Ion Ratio Lower Upper
149 100
167 34.7 21.4 32.0
279 9.8 3.1 4.7

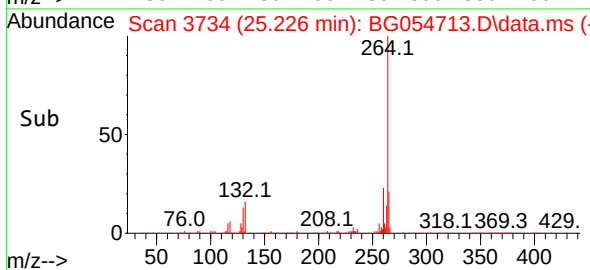
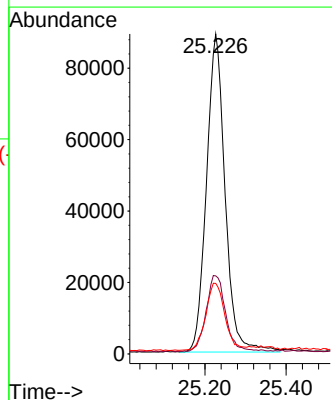
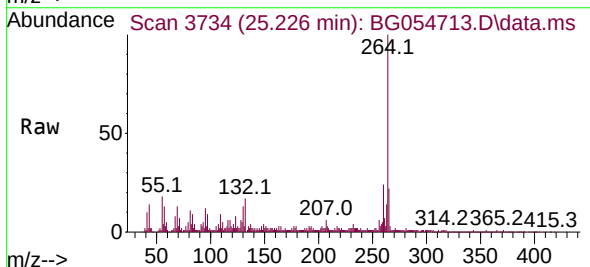
Manual Integrations
APPROVED

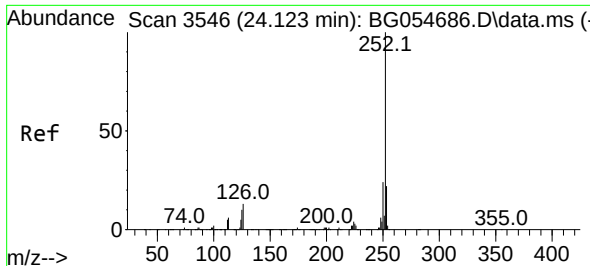
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.226 min Scan# 3734
Delta R.T. 0.028 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

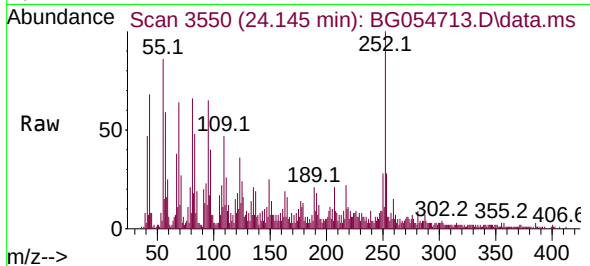
Tgt Ion:264 Resp: 283722
Ion Ratio Lower Upper
264 100
260 24.4 19.9 29.9
265 22.0 16.9 25.3





#88
Benzo(b)fluoranthene
Concen: 4.309 ng
RT: 24.145 min Scan# 3550
Delta R.T. 0.022 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

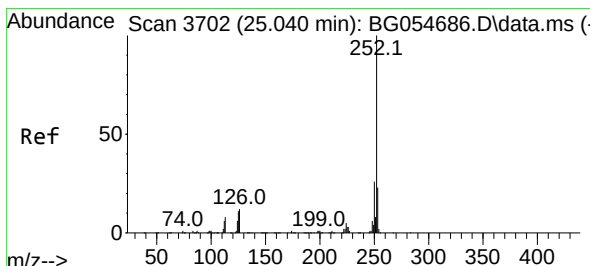
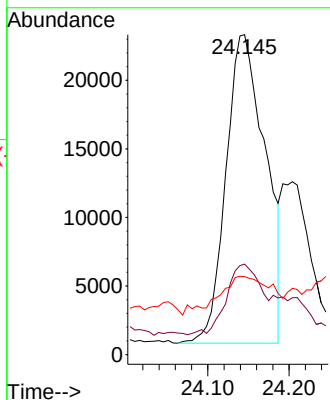
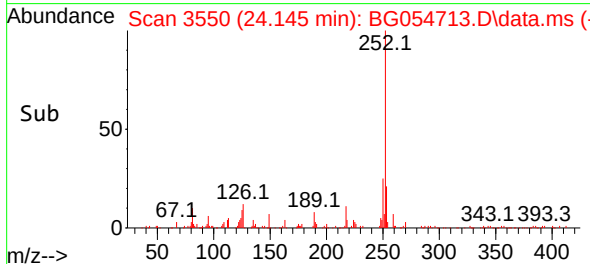
Instrument :
BNA_G
ClientSampleId :
LINDEN-MR-B1B-SP



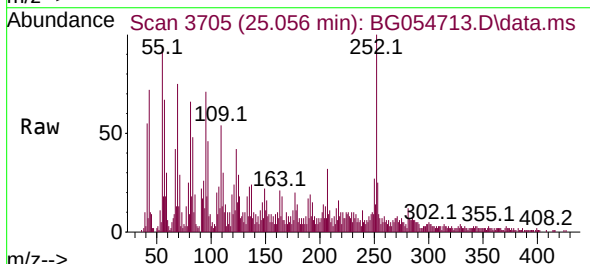
Tgt Ion:252 Resp: 75910
Ion Ratio Lower Upper
252 100
253 28.3 18.0 27.0
125 24.4 8.1 12.1

Manual Integrations
APPROVED

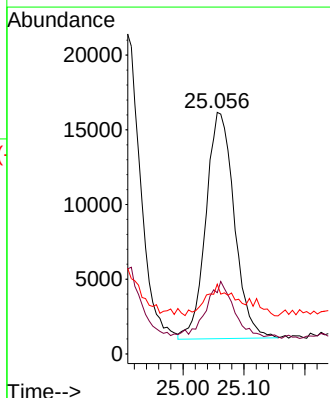
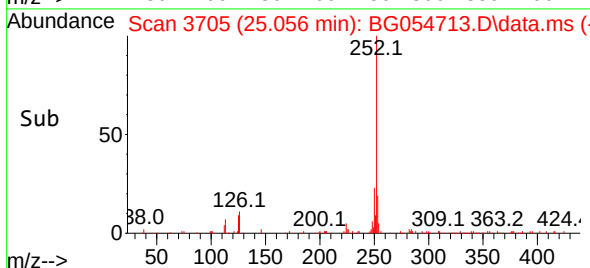
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

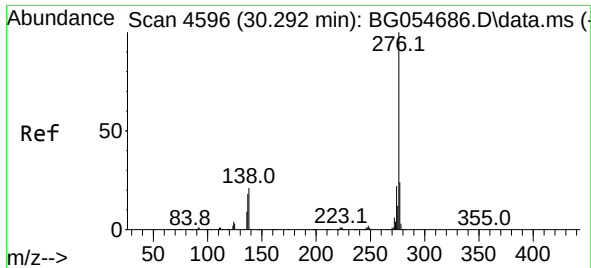


#90
Benzo(a)pyrene
Concen: 3.244 ng
RT: 25.056 min Scan# 3705
Delta R.T. 0.016 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03



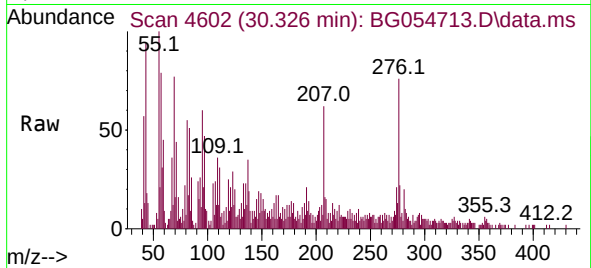
Tgt Ion:252 Resp: 49045
Ion Ratio Lower Upper
252 100
253 25.3 18.3 27.5
125 28.8 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.369 ng m
 RT: 30.326 min Scan# 40
 Delta R.T. 0.034 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

Instrument :
 BNA_G
 ClientSampleId :
 LINDEN-MR-B1B-SP



Tgt Ion:	276	Resp:	40289
Ion Ratio	Lower	Upper	
276	100		
277	28.9	19.4	29.0
138	25.0	16.6	25.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022

