

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054380.D
 Acq On : 25 Jul 2022 15:08
 Operator : CG/JU
 Sample : N3814-05DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-3(5-10)DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/26/2022
 Supervised By : Jagrut Upadhyay 07/26/2022

Quant Time: Jul 26 00:54:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	26413	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	101920	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	80568	20.000	ng	-0.01
64) Phenanthrene-d10	17.371	188	200820	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	230817	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	250658	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	4224	3.339	ng	0.00
7) Phenol-d6	7.171	99	6058	3.495	ng	0.00
23) Nitrobenzene-d5	9.151	82	3931	2.100	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	5619	3.322	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	11695	2.048	ng	-0.01
79) Terphenyl-d14	19.980	244	25520	2.193	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.849	128	12360	2.416	ng	98
52) Acenaphthene	14.686	154	19688	4.744	ng	97
58) Fluorene	15.673	166	25138	4.140	ng	96
71) Phenanthrene	17.412	178	369561	36.953	ng	97
72) Anthracene	17.506	178	108473	11.053	ng	98
73) Carbazole	17.771	167	41169	5.095	ng	97
75) Fluoranthene	19.428	202	682299	50.049	ng	94
78) Pyrene	19.786	202	632529	47.759	ng	97
81) Benzo(a)anthracene	21.619	228	433411	29.580	ng	98
83) Chrysene	21.684	228	369309	26.679	ng	94
87) Indeno(1,2,3-cd)pyrene	28.505	276	257502	13.504	ng	99
88) Benzo(b)fluoranthene	23.834	252	479612	32.355	ng	# 99
89) Benzo(k)fluoranthene	23.887	252	171937m	11.655	ng	
90) Benzo(a)pyrene	24.692	252	382244m	30.194	ng	
91) Dibenzo(a,h)anthracene	28.529	278	71864	4.583	ng	# 90
92) Benzo(g,h,i)perylene	29.657	276	246437	15.924	ng	# 91

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

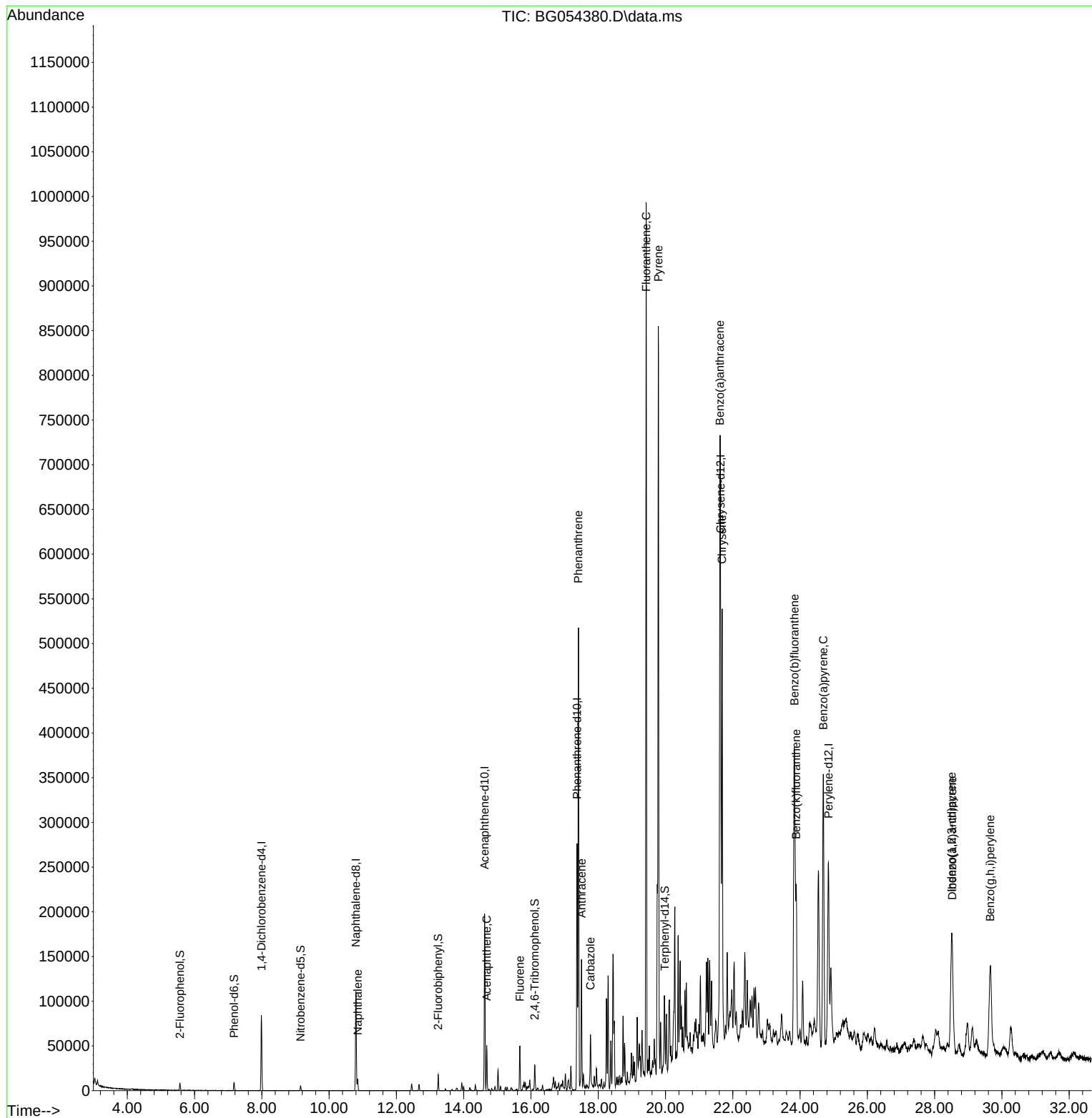
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054380.D
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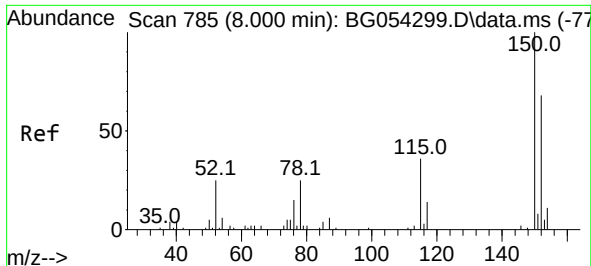
Instrument :
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ClientSampleId :
ENV-DE-3(5-10)DL

Quant Time: Jul 26 00:54:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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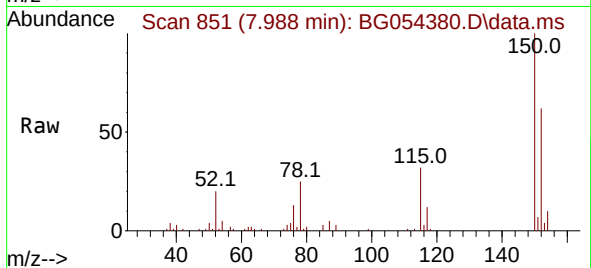
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Instrument :

BNA_G

ClientSampleId :

ENV-DE-3(5-10)DL

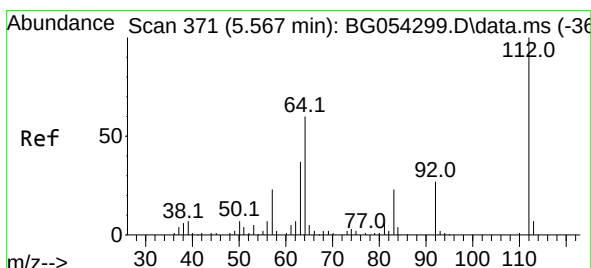
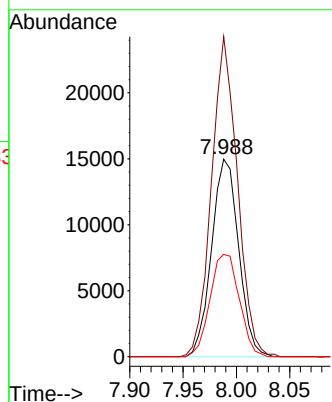
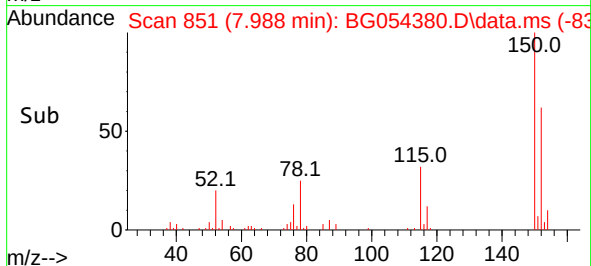


Tgt Ion:152 Resp: 2641
Ion Ratio Lower Upper
152 100
150 162.1 131.6 197.4
115 51.8 50.9 76.3

Manual Integrations

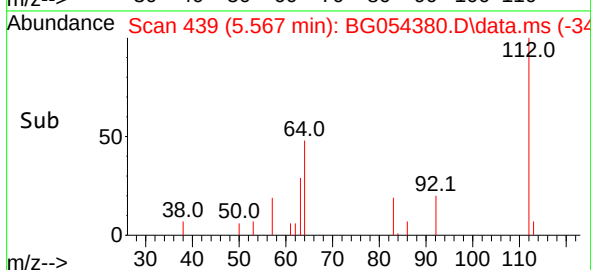
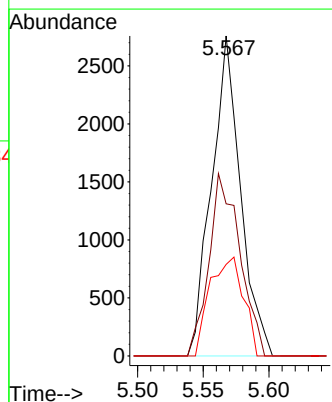
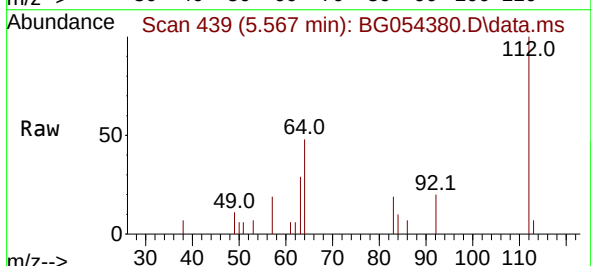
APPROVED

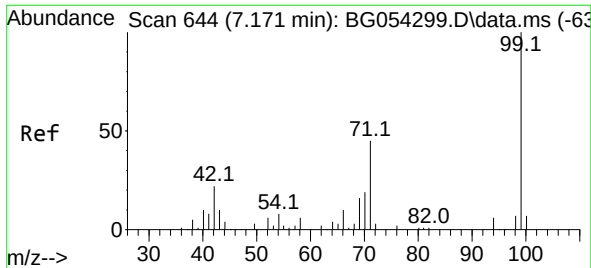
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#5
2-Fluorophenol
Concen: 3.339 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.000 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

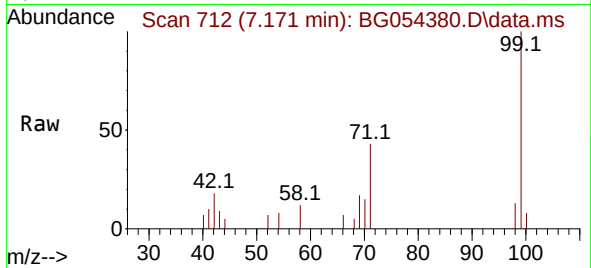
Tgt Ion:112 Resp: 4224
Ion Ratio Lower Upper
112 100
64 47.6 55.1 82.7#
63 28.6 30.4 45.6#





#7
Phenol-d6
Concen: 3.495 ng
RT: 7.171 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

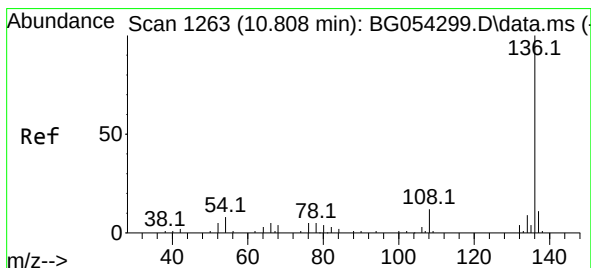
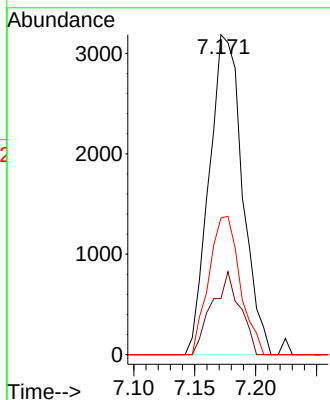
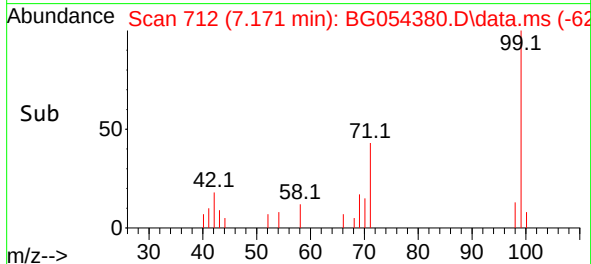
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL



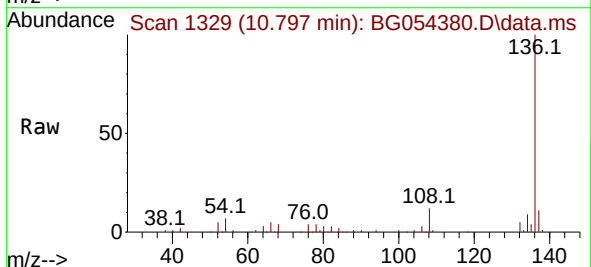
Tgt Ion: 99 Resp: 6058
Ion Ratio Lower Upper
99 100
42 17.5 17.0 25.6
71 42.7 33.8 50.8

Manual Integrations
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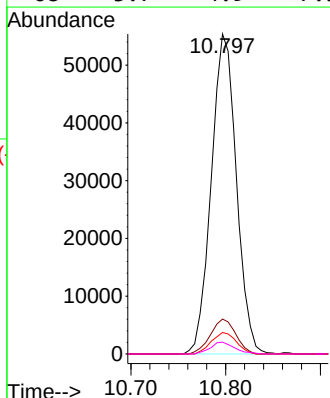
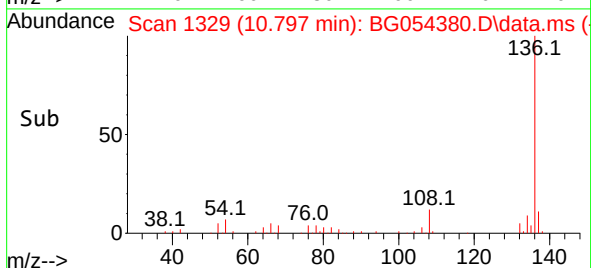
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

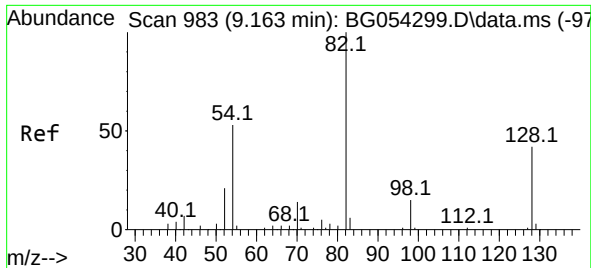


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.011 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08



Tgt Ion:136 Resp: 101920
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.7 7.4 11.2#
68 3.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 2.100 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Instrument :

BNA_G

ClientSampleId :

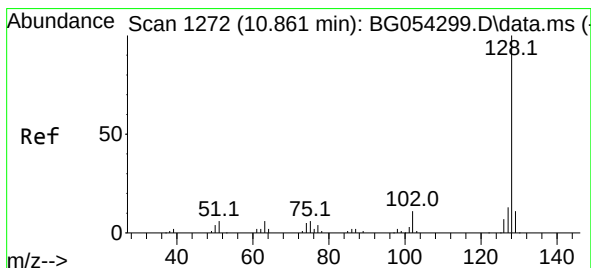
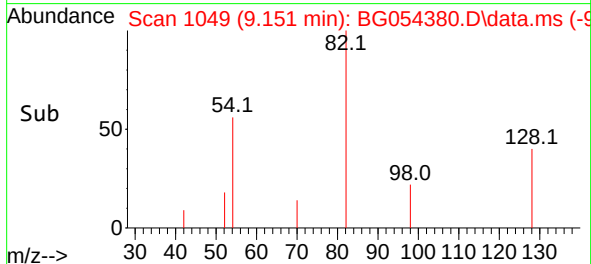
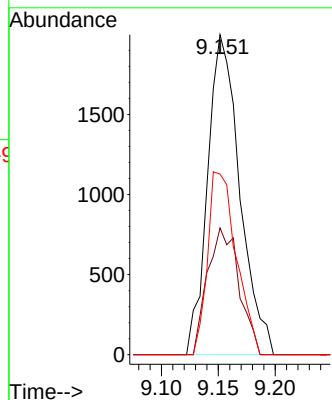
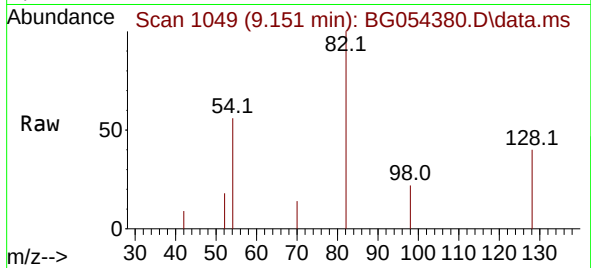
ENV-DE-3(5-10)DL

Tgt Ion: 82 Resp: 393
Ion Ratio Lower Upper
82 100
128 39.6 27.9 41.9
54 56.5 41.2 61.8

Manual Integrations

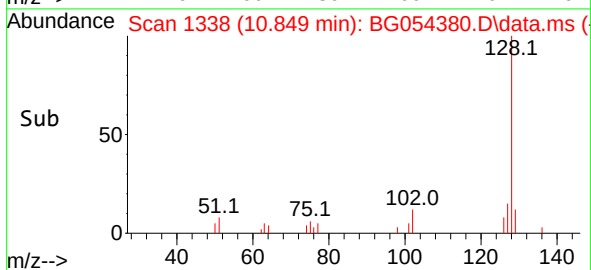
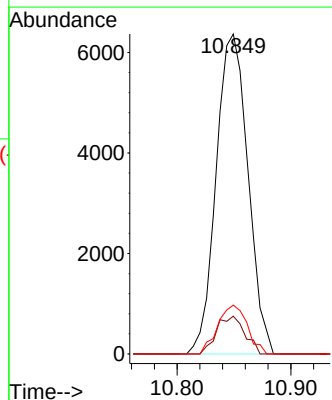
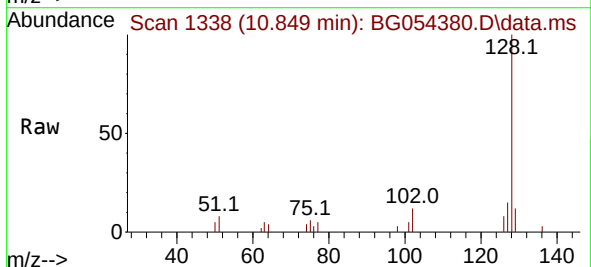
APPROVED

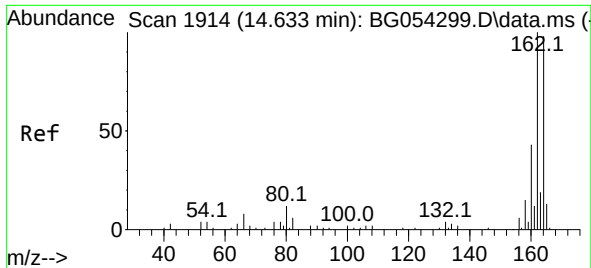
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#31
Naphthalene
Concen: 2.416 ng
RT: 10.849 min Scan# 1338
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

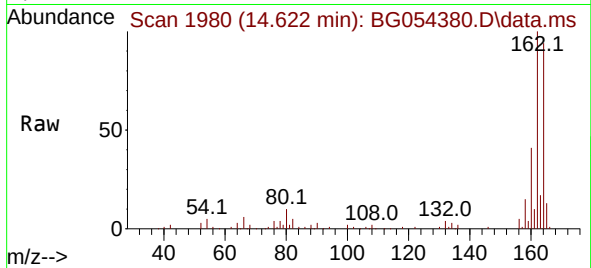
Tgt Ion:128 Resp: 12360
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 15.2 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1914
Delta R.T. -0.011 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

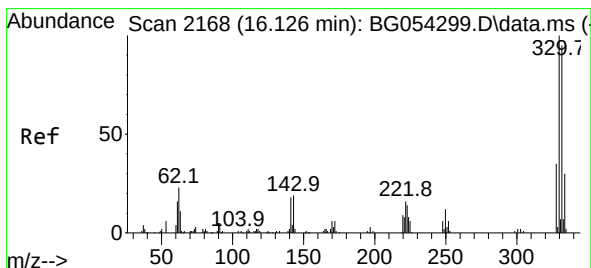
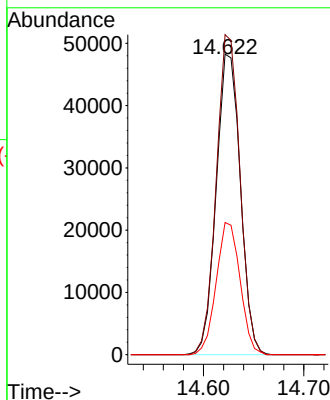
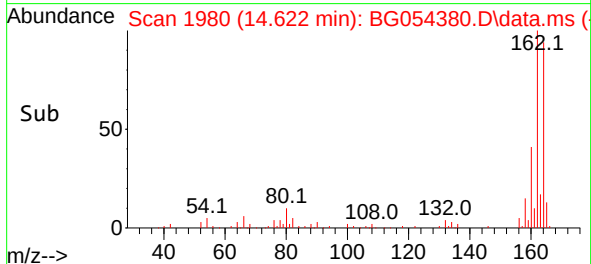
Instrument :
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ClientSampleId :
ENV-DE-3(5-10)DL



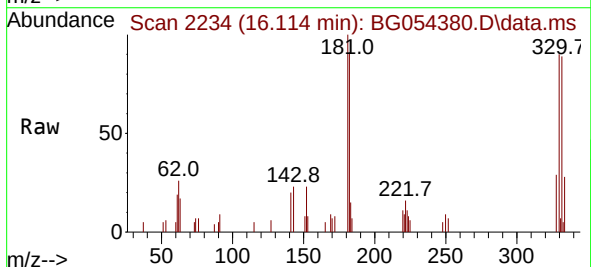
Tgt Ion:164 Resp: 80568
Ion Ratio Lower Upper
164 100
162 106.5 82.3 123.5
160 44.0 34.2 51.2

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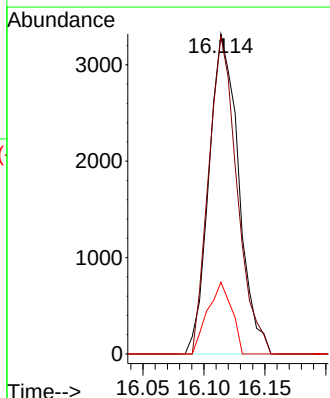
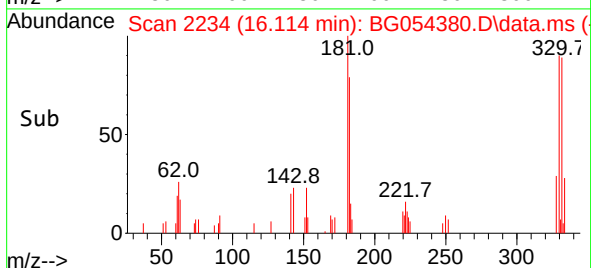
Reviewed By :Christian Giraldo 07/26/2022
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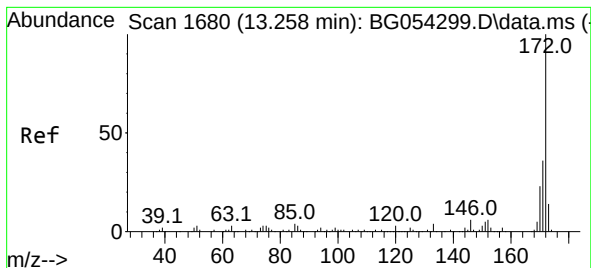


#42
2,4,6-Tribromophenol
Concen: 3.322 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08



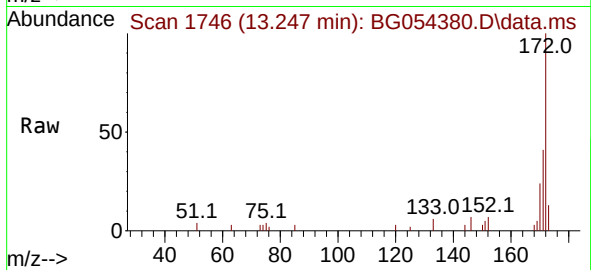
Tgt Ion:330 Resp: 5619
Ion Ratio Lower Upper
330 100
332 95.1 76.0 114.0
141 18.1 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 2.048 ng
RT: 13.247 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

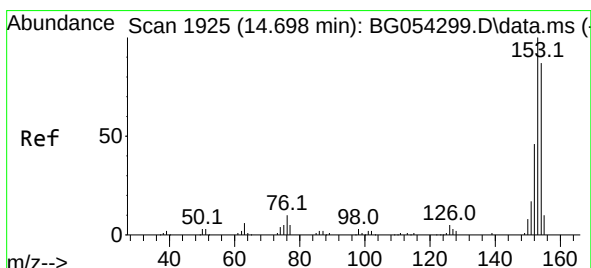
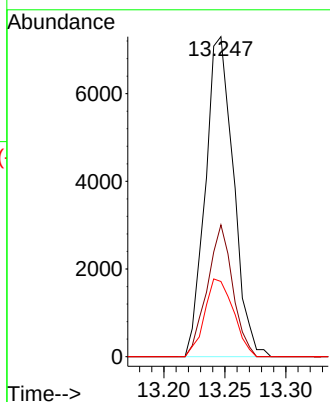
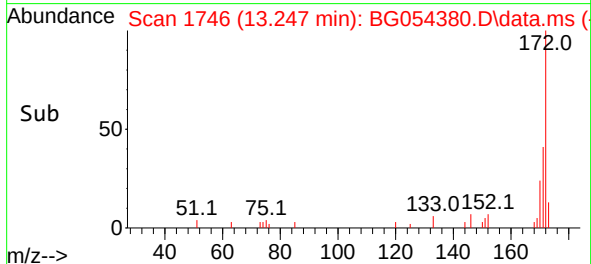
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL



Tgt Ion:172 Resp: 1169
Ion Ratio Lower Upper
172 100
171 41.2 28.5 42.7
170 23.5 18.9 28.3

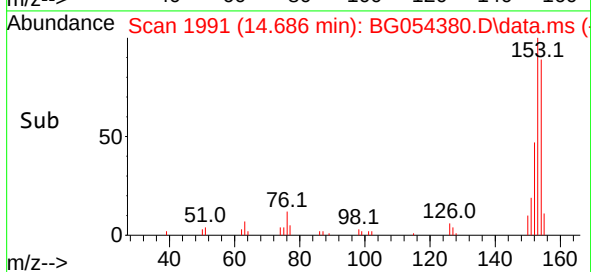
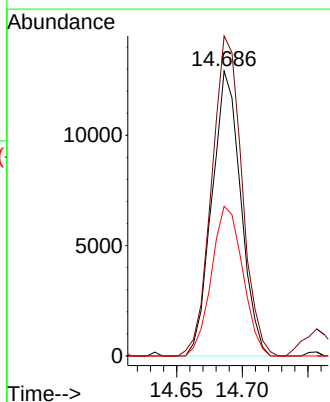
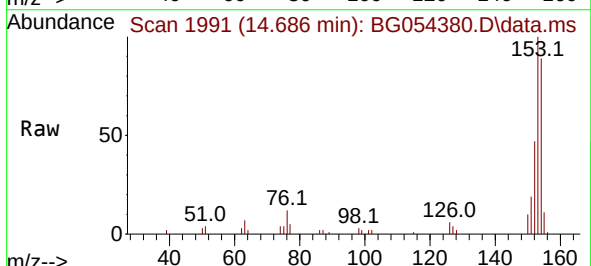
Manual Integrations
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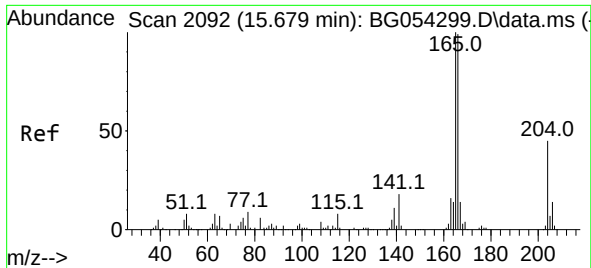
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#52
Acenaphthene
Concen: 4.744 ng
RT: 14.686 min Scan# 1991
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

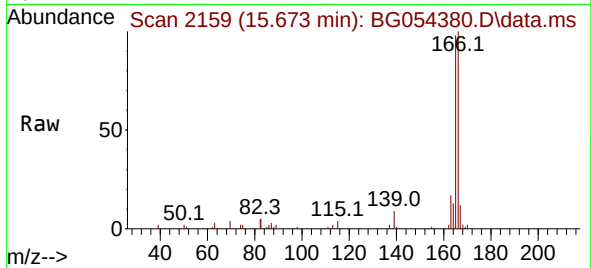
Tgt Ion:154 Resp: 19688
Ion Ratio Lower Upper
154 100
153 112.3 92.7 139.1
152 52.6 42.6 64.0





#58
Fluorene
Concen: 4.140 ng
RT: 15.673 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

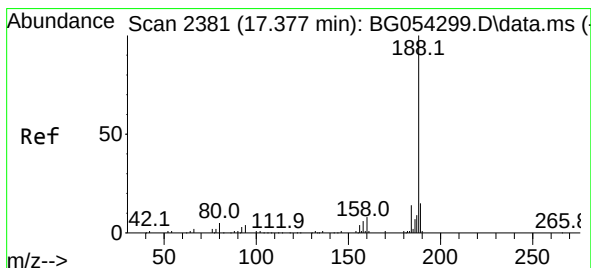
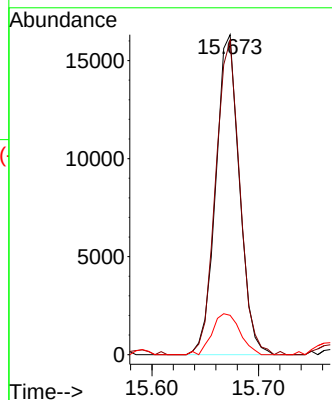
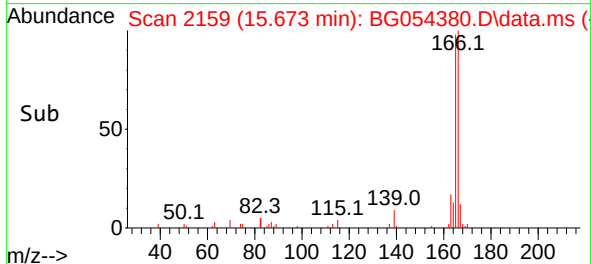
Instrument :
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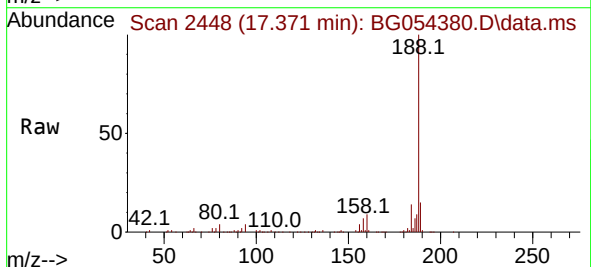
Tgt Ion:166 Resp: 25138
Ion Ratio Lower Upper
166 100
165 98.2 75.0 112.6
167 12.3 10.8 16.2

Manual Integrations
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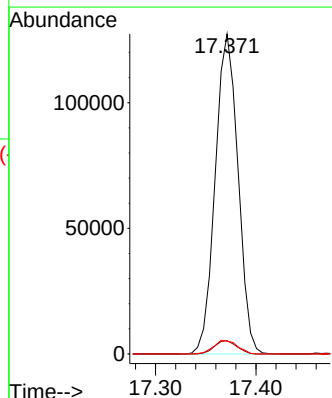
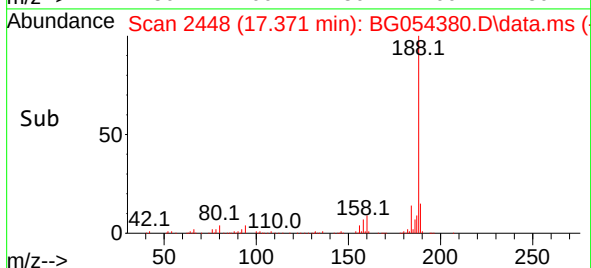
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

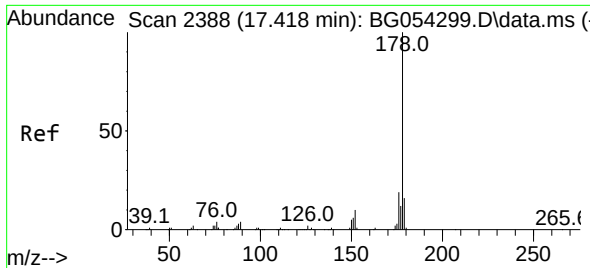


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08



Tgt Ion:188 Resp: 200820
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.0 6.8 10.2#





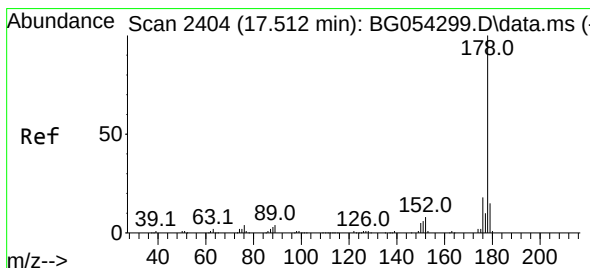
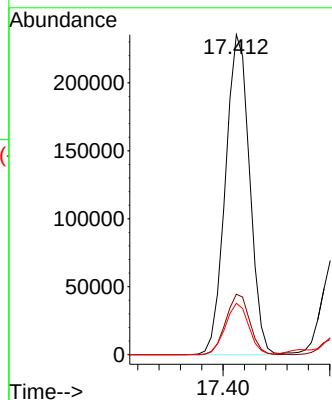
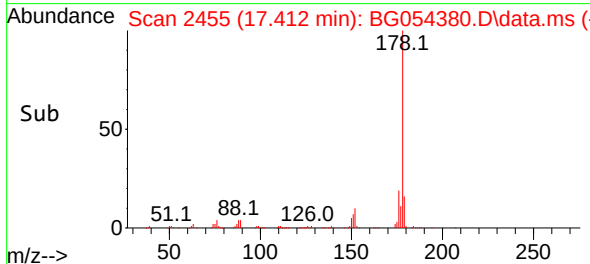
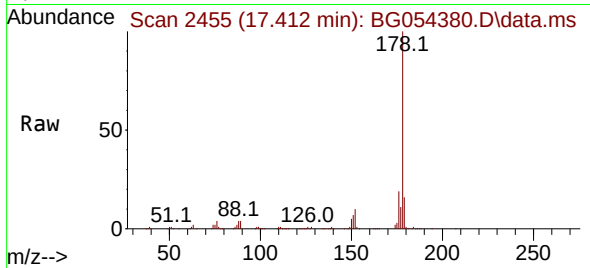
#71
Phenanthrene
Concen: 36.953 ng
RT: 17.412 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

Tgt Ion:178 Resp: 36956
Ion Ratio Lower Upper
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176 18.9 14.1 21.1
179 16.1 12.1 18.1

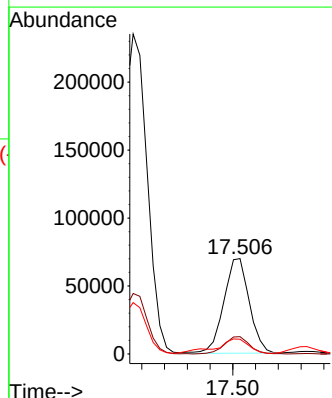
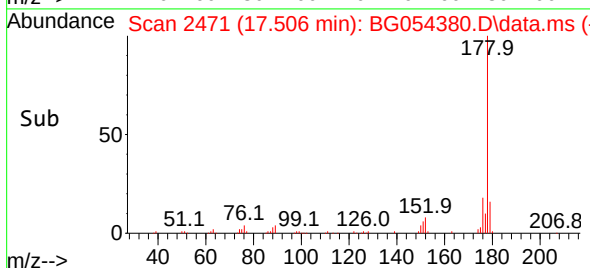
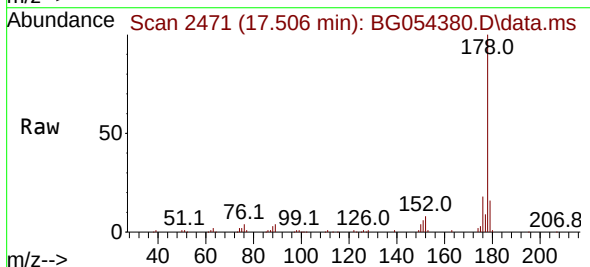
Manual Integrations
APPROVED

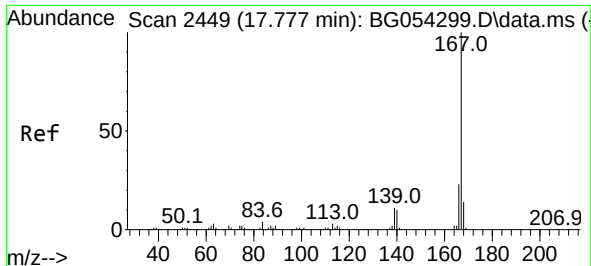
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#72
Anthracene
Concen: 11.053 ng
RT: 17.506 min Scan# 2471
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

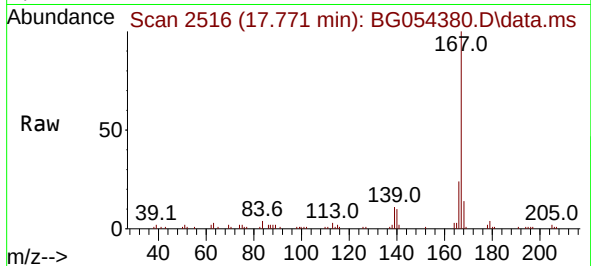
Tgt Ion:178 Resp: 108473
Ion Ratio Lower Upper
178 100
176 18.2 15.2 22.8
179 15.5 13.0 19.4





#73
 Carbazole
 Concen: 5.095 ng
 RT: 17.771 min Scan# 2449
 Delta R.T. -0.006 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

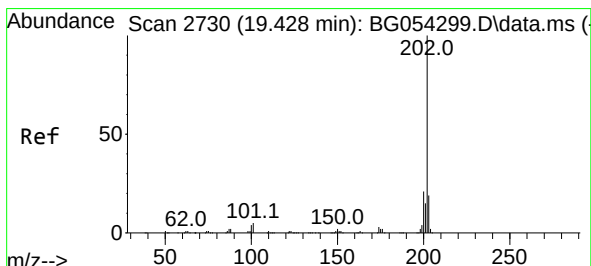
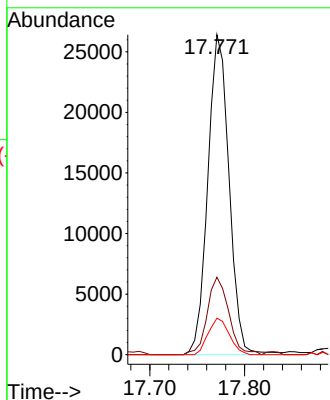
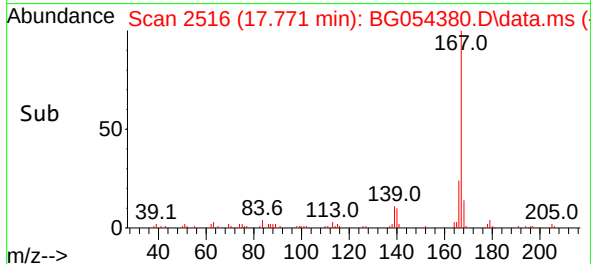
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-3(5-10)DL



Tgt Ion:167 Resp: 41169
 Ion Ratio Lower Upper
 167 100
 166 24.2 18.2 27.2
 139 11.4 10.1 15.1

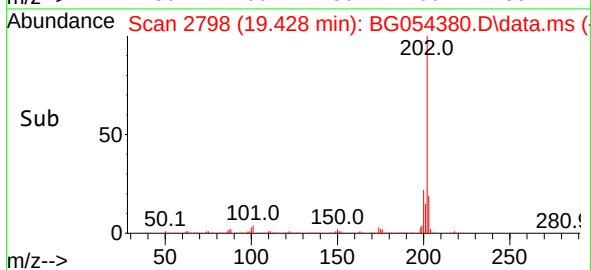
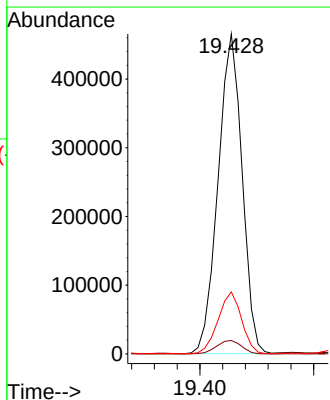
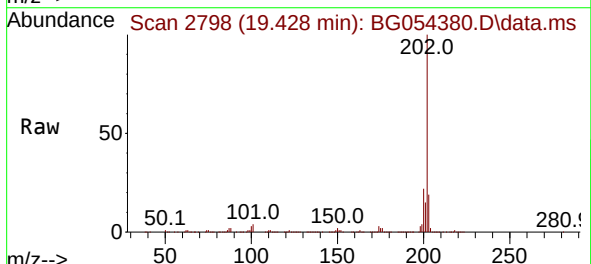
Manual Integrations
 APPROVED

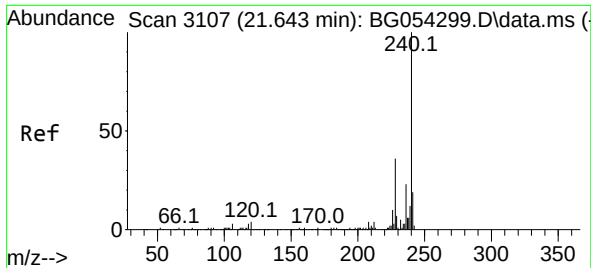
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022



#75
 Fluoranthene
 Concen: 50.049 ng
 RT: 19.428 min Scan# 2798
 Delta R.T. 0.000 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

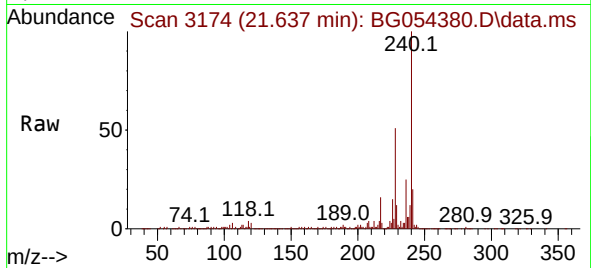
Tgt Ion:202 Resp: 682299
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 19.4 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

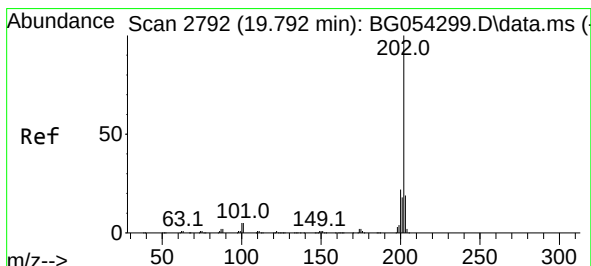
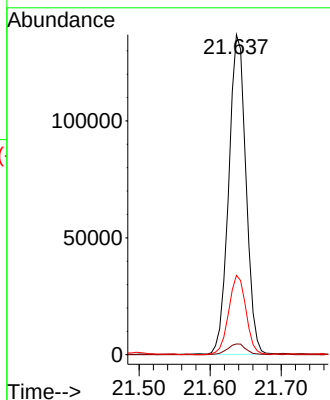
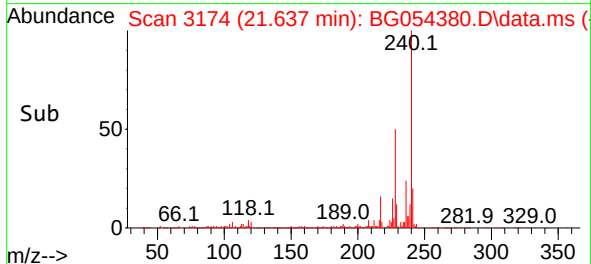
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL



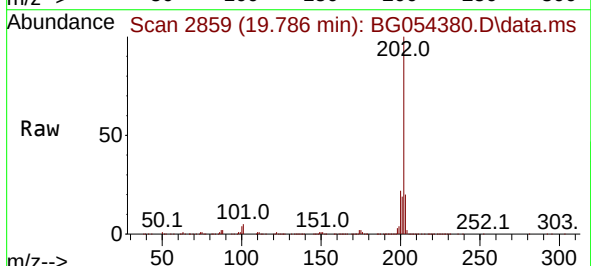
Tgt Ion:240 Resp: 230817
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0
236 24.8 20.2 30.4

Manual Integrations
APPROVED

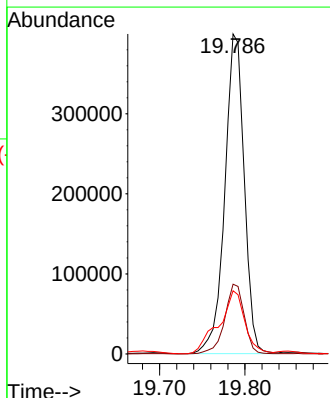
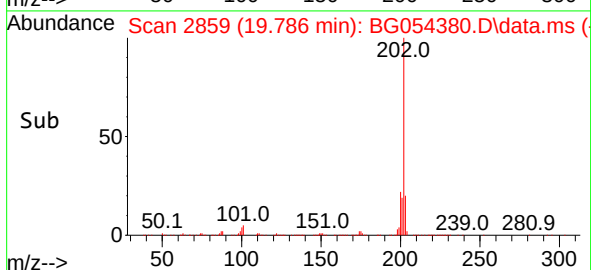
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

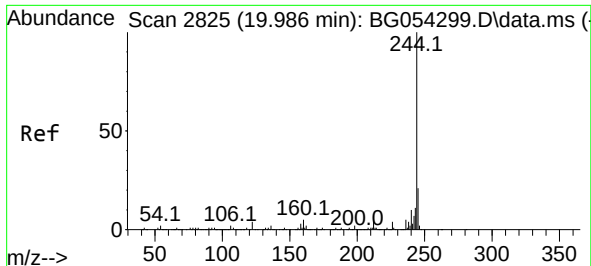


#78
Pyrene
Concen: 47.759 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08



Tgt Ion:202 Resp: 632529
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 19.8 14.6 21.8





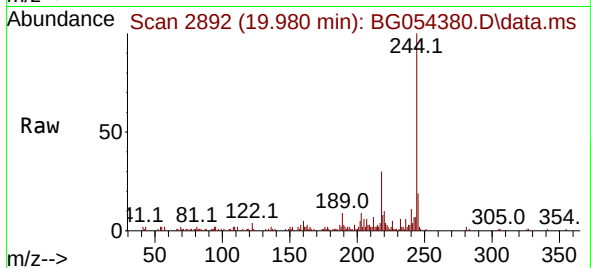
#79
 Terphenyl-d14
 Concen: 2.193 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

Instrument :

BNA_G

ClientSampleId :

ENV-DE-3(5-10)DL

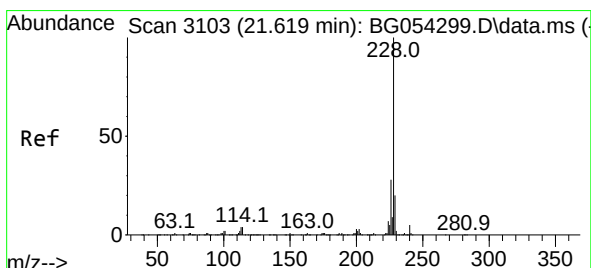
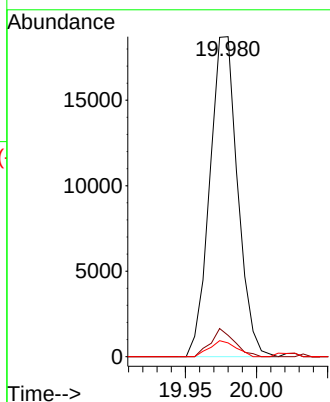
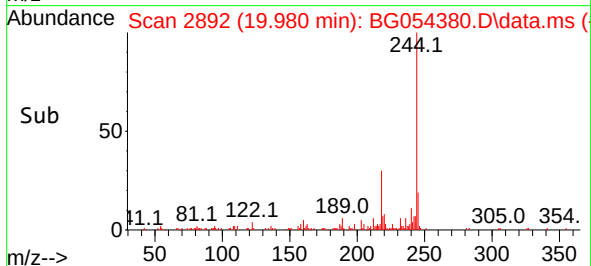


Tgt Ion:244 Resp: 25520
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.3 5.0 7.4

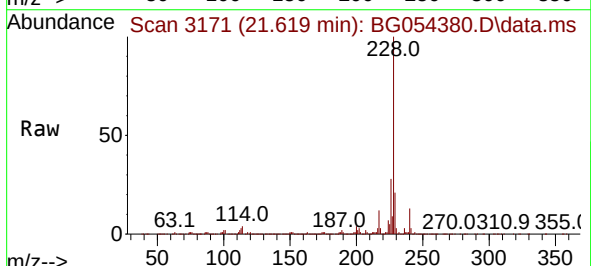
Manual Integrations

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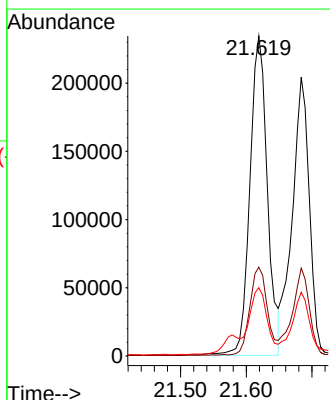
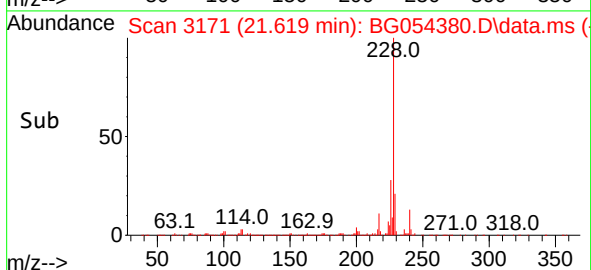
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

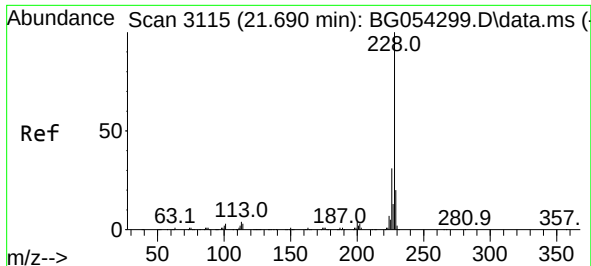


#81
 Benzo(a)anthracene
 Concen: 29.580 ng
 RT: 21.619 min Scan# 3171
 Delta R.T. 0.000 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08



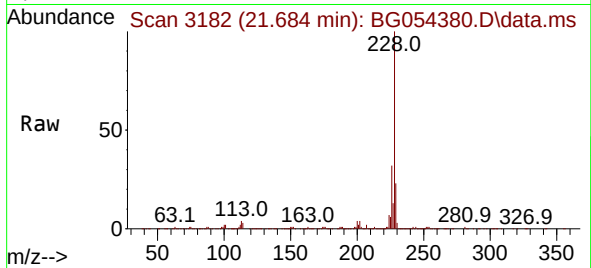
Tgt Ion:228 Resp: 433411
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 21.3 16.2 24.2





#83
Chrysene
Concen: 26.679 ng
RT: 21.684 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

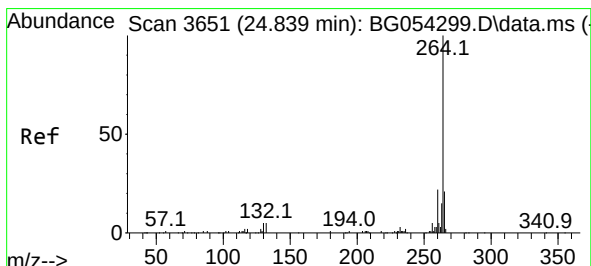
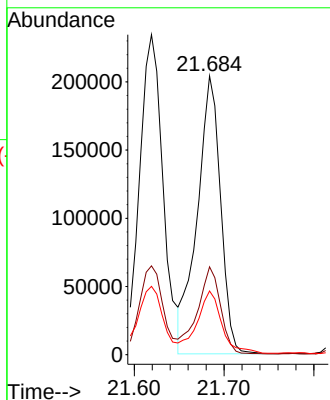
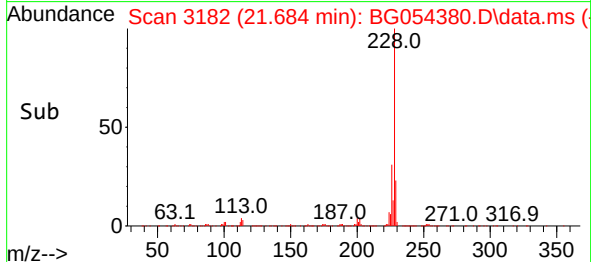
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL



Tgt Ion:228 Resp: 369309
Ion Ratio Lower Upper
228 100
226 31.5 23.4 35.2
229 22.9 15.5 23.3

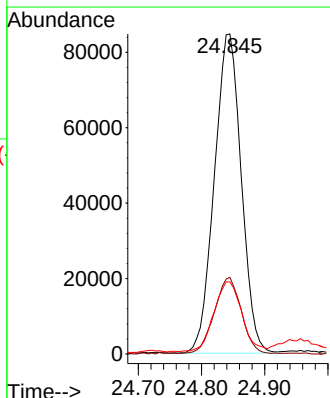
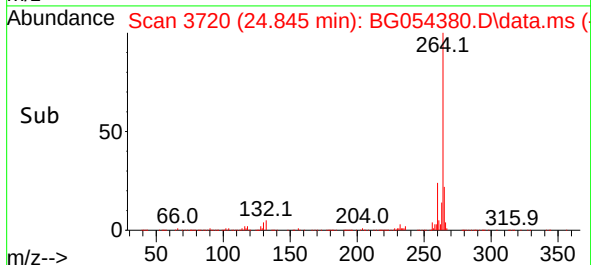
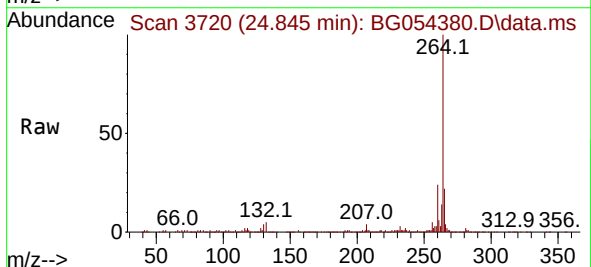
Manual Integrations
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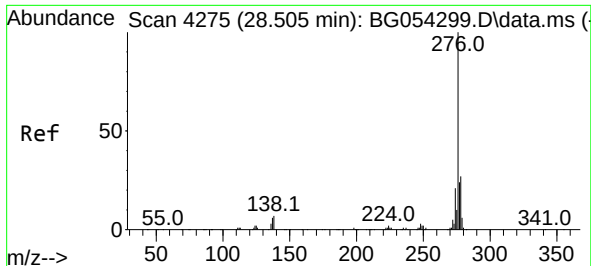
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.845 min Scan# 3720
Delta R.T. 0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

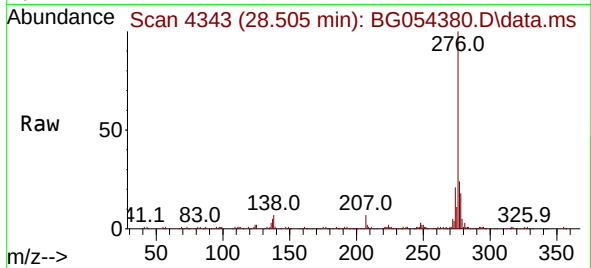
Tgt Ion:264 Resp: 250658
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 22.5 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 13.504 ng
 RT: 28.505 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

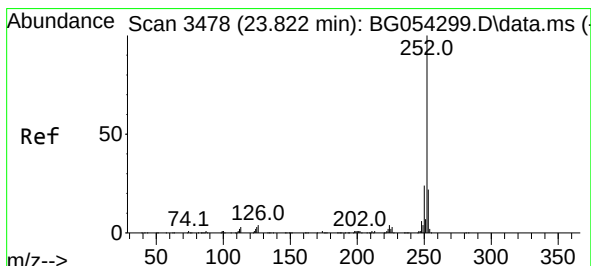
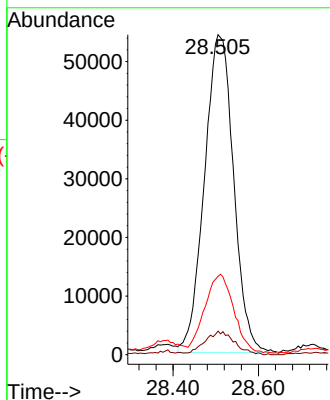
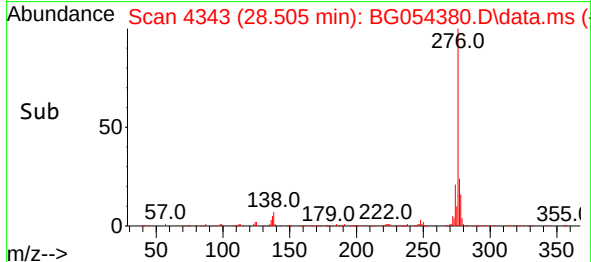
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-3(5-10)DL



Tgt Ion:276 Resp: 257502
 Ion Ratio Lower Upper
 276 100
 138 7.4 5.0 7.4
 277 25.1 20.3 30.5

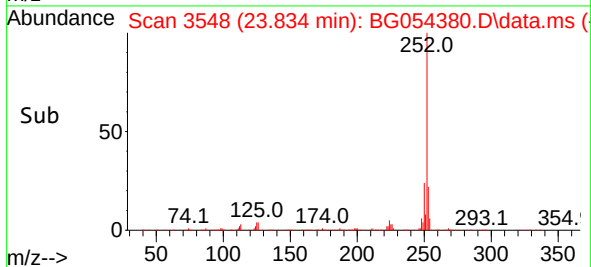
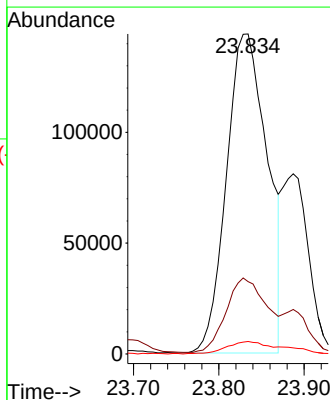
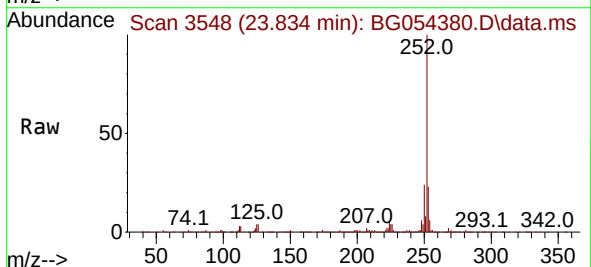
Manual Integrations
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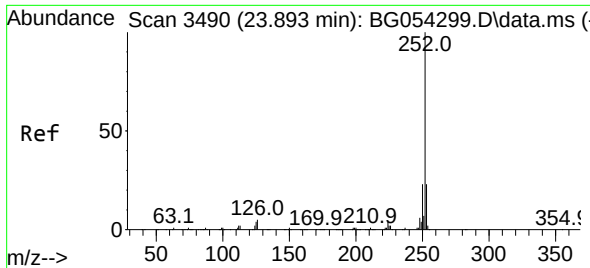
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022



#88
 Benzo(b)fluoranthene
 Concen: 32.355 ng
 RT: 23.834 min Scan# 3548
 Delta R.T. 0.012 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

Tgt Ion:252 Resp: 479612
 Ion Ratio Lower Upper
 252 100
 253 22.6 18.0 27.0
 125 3.9 4.6 6.8#





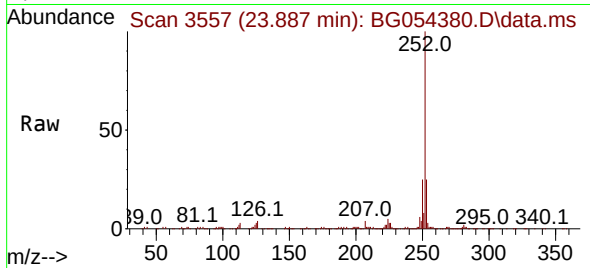
#89
Benzo(k)fluoranthene
Concen: 11.655 ng m
RT: 23.887 min Scan# 3557
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Instrument :

BNA_G

ClientSampleId :

ENV-DE-3(5-10)DL

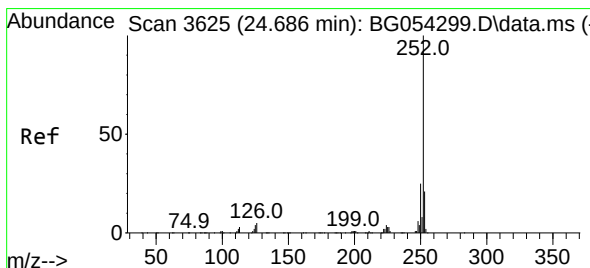
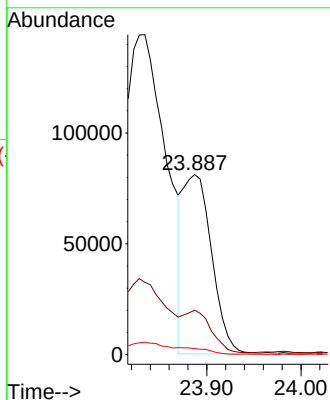
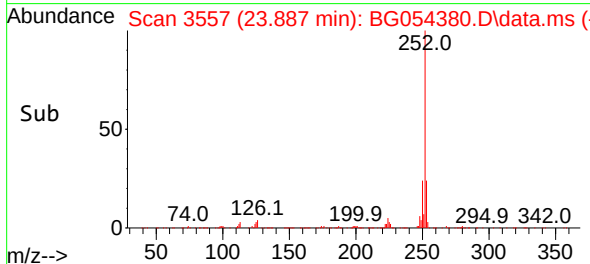


Tgt Ion:252 Resp: 17193
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 3.3 4.8 7.2

Manual Integrations

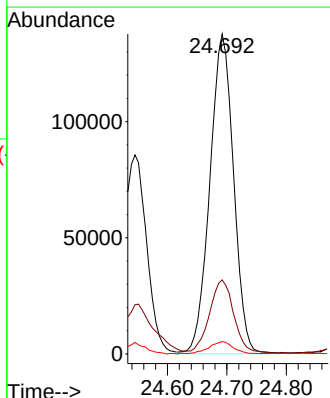
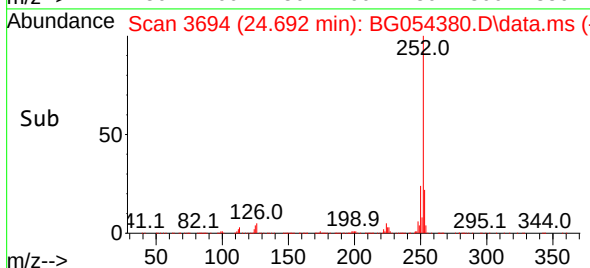
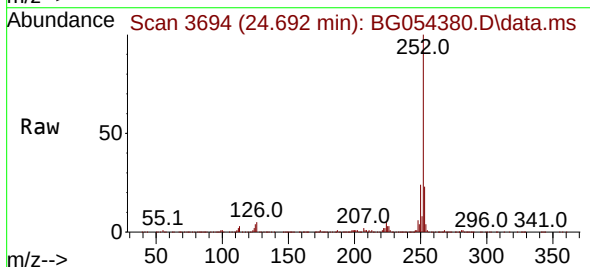
APPROVED

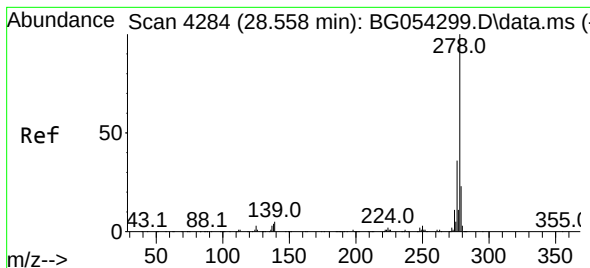
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#90
Benzo(a)pyrene
Concen: 30.194 ng m
RT: 24.692 min Scan# 3694
Delta R.T. 0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion:252 Resp: 382244
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 3.9 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 4.583 ng

RT: 28.529 min Scan# 41

Delta R.T. -0.029 min

Lab File: BG054380.D

Acq: 25 Jul 2022 15:08

Instrument :

BNA_G

ClientSampleId :

ENV-DE-3(5-10)DL

Tgt Ion:278 Resp: 71864

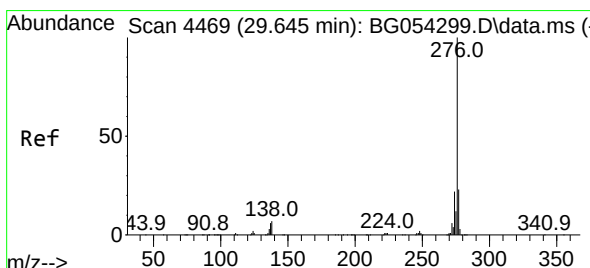
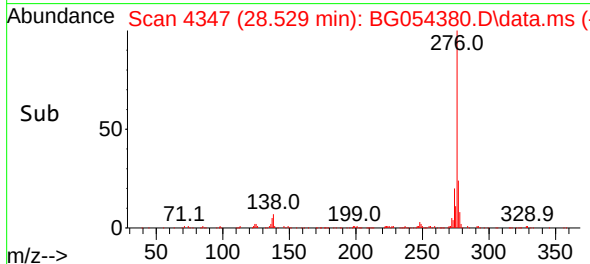
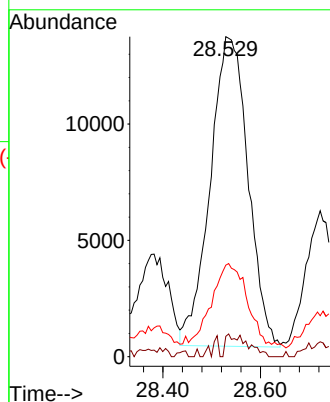
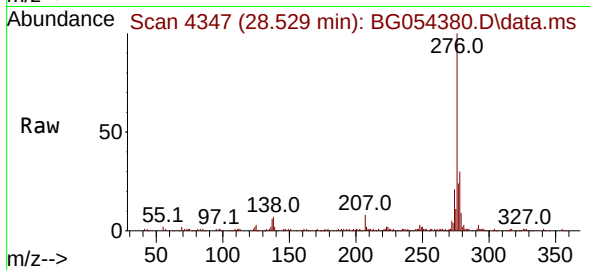
Ion	Ratio	Lower	Upper
278	100		
139	6.4	7.2	10.8
279	28.6	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/26/2022

Supervised By :Jagrut Upadhyay 07/26/2022



#92

Benzo(g,h,i)perylene

Concen: 15.924 ng

RT: 29.657 min Scan# 4539

Delta R.T. 0.012 min

Lab File: BG054380.D

Acq: 25 Jul 2022 15:08

Tgt Ion:276 Resp: 246437

Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.3	25.9
138	7.3	9.6	14.4

