

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054384.D
 Acq On : 25 Jul 2022 17:59
 Operator : CG/JU
 Sample : N3814-10RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)RE

Manual Integrations
 APPROVED

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

Quant Time: Jul 26 00:55:21 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	7.993	152	22492	20.000	ng	0.00
21) Naphthalene-d8	10.795	136	87295	20.000	ng	#-0.01
39) Acenaphthene-d10	14.626	164	67640	20.000	ng	0.00
64) Phenanthrene-d10	17.370	188	160729	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	180130	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	193490	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.566	112	29706	27.575	ng	0.00
7) Phenol-d6	7.170	99	42237	28.614	ng	0.00
23) Nitrobenzene-d5	9.150	82	29741	18.553	ng	-0.01
42) 2,4,6-Tribromophenol	16.113	330	37055	26.092	ng	-0.01
45) 2-Fluorobiphenyl	13.245	172	91918	19.170	ng	-0.01
79) Terphenyl-d14	19.973	244	174200	19.185	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.411	178	200809	25.088	ng	99
72) Anthracene	17.499	178	49816	6.342	ng	96
75) Fluoranthene	19.426	202	433762	39.754	ng	96
78) Pyrene	19.785	202	379386	36.706	ng	98
81) Benzo(a)anthracene	21.612	228	257070	22.482	ng	99
83) Chrysene	21.683	228	226878m	21.001	ng	
87) Indeno(1,2,3-cd)pyrene	28.504	276	147680	10.033	ng	# 96
88) Benzo(b)fluoranthene	23.827	252	326485	28.532	ng	# 99
89) Benzo(k)fluoranthene	23.880	252	104645m	9.189	ng	
90) Benzo(a)pyrene	24.691	252	233600m	23.904	ng	
91) Dibenzo(a,h)anthracene	28.539	278	36432	3.010	ng	# 86
92) Benzo(g,h,i)perylene	29.644	276	130527	10.926	ng	# 93

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

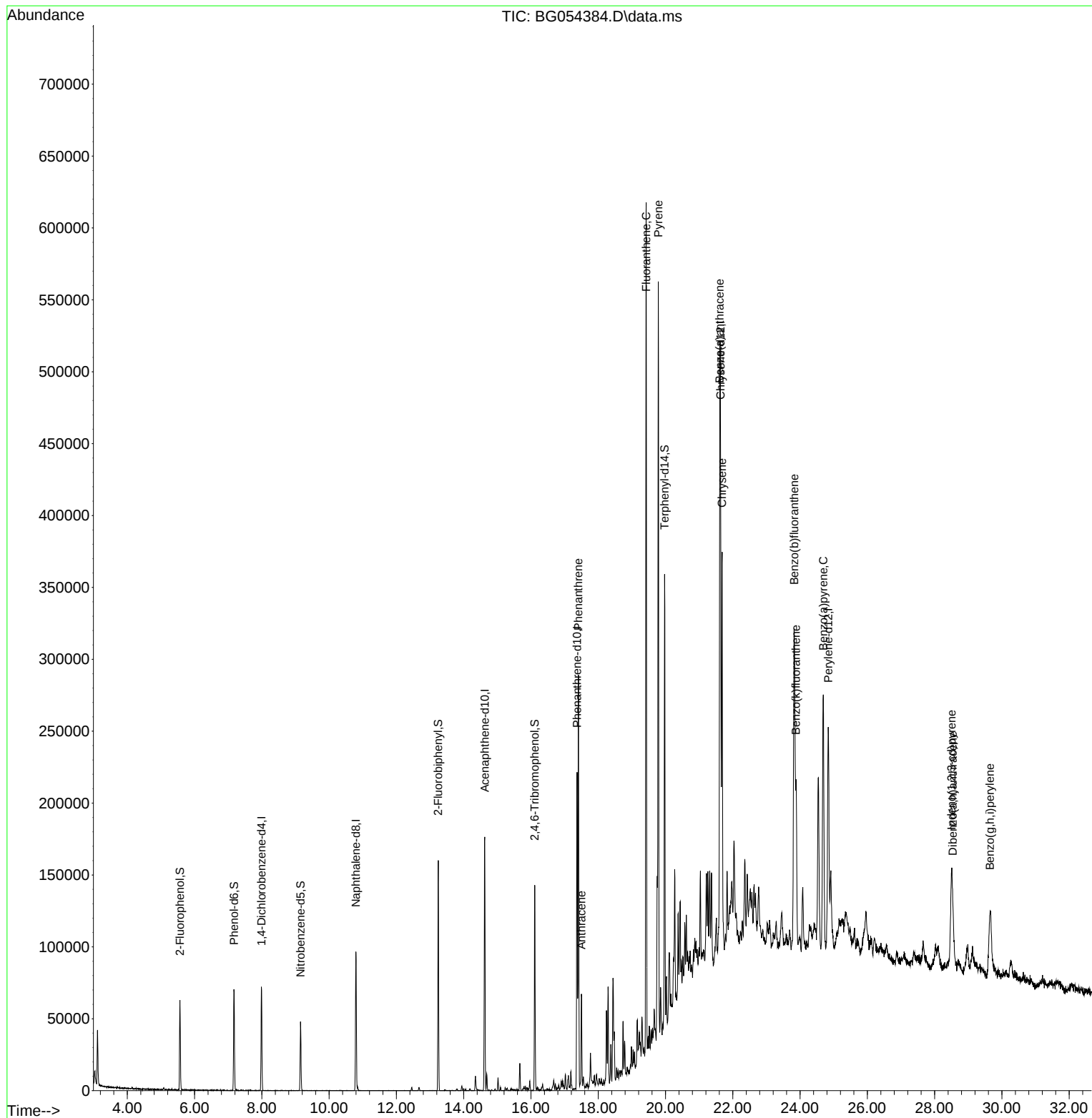
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054384.D
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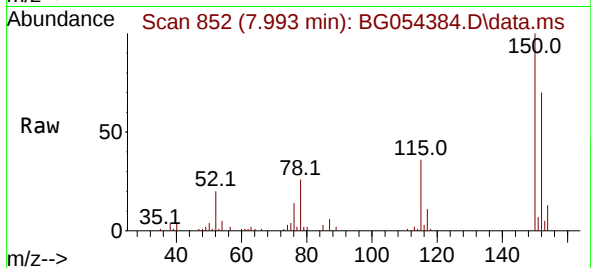
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.993 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

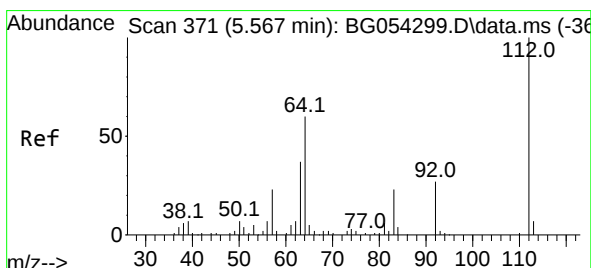
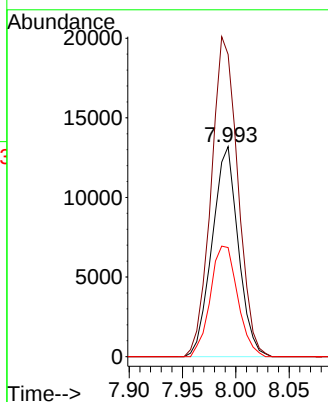
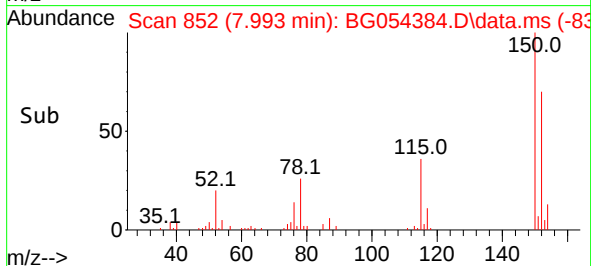
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)RE



Tgt Ion:152 Resp: 22492
Ion Ratio Lower Upper
152 100
150 143.9 131.6 197.4
115 51.9 50.9 76.3

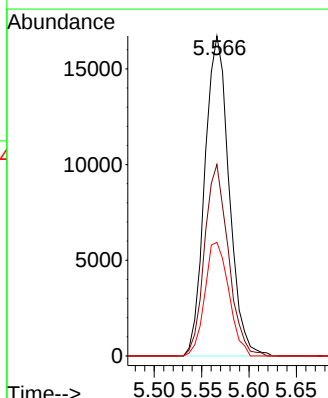
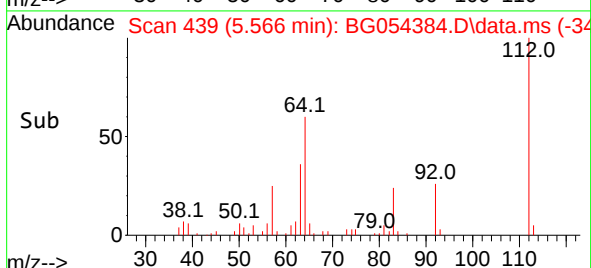
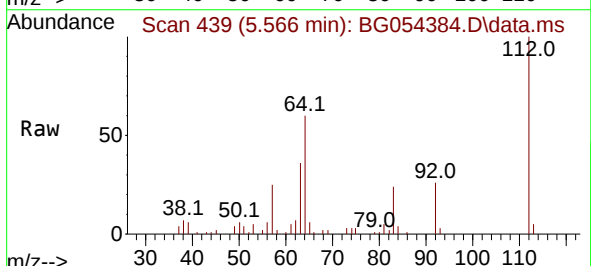
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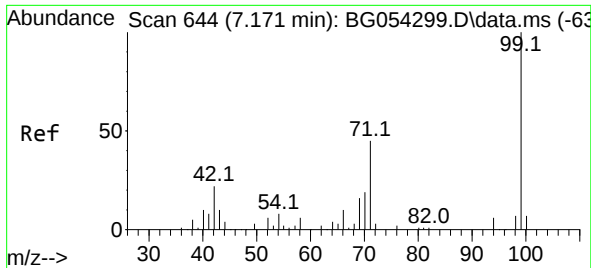
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#5
2-Fluorophenol
Concen: 27.575 ng
RT: 5.566 min Scan# 439
Delta R.T. -0.001 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

Tgt Ion:112 Resp: 29706
Ion Ratio Lower Upper
112 100
64 59.8 55.1 82.7
63 35.5 30.4 45.6





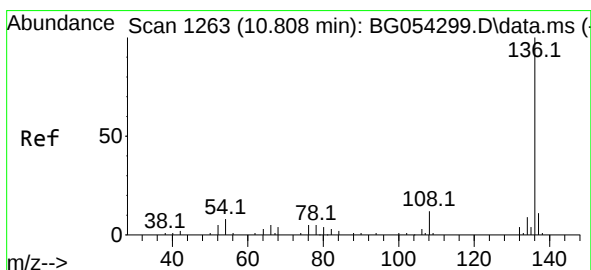
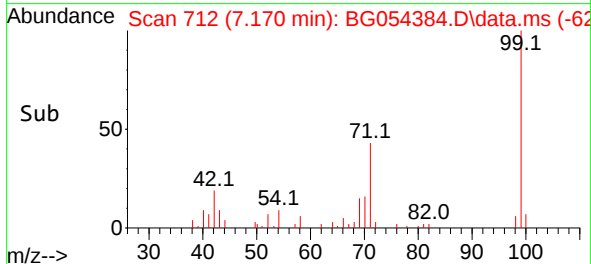
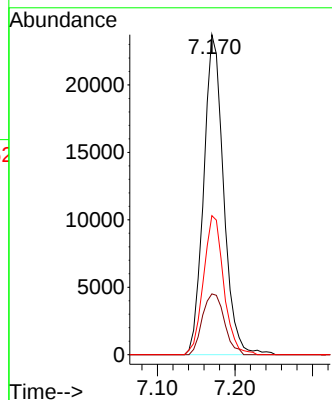
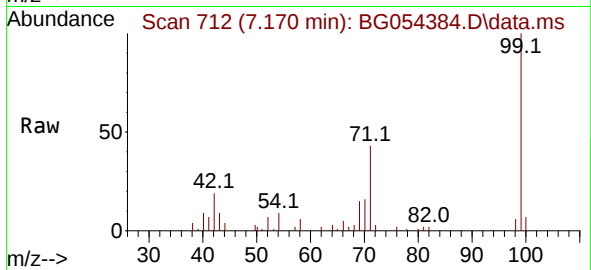
#7
Phenol-d6
Concen: 28.614 ng
RT: 7.170 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)RE

Tgt Ion: 99 Resp: 4223
Ion Ratio Lower Upper
99 100
42 19.0 17.0 25.6
71 43.5 33.8 50.8

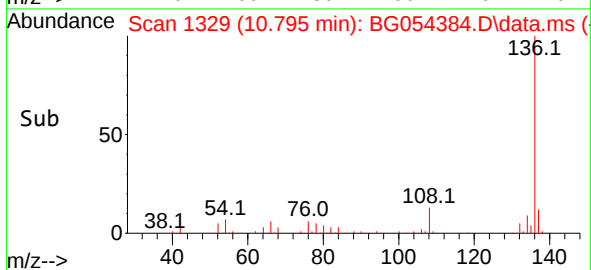
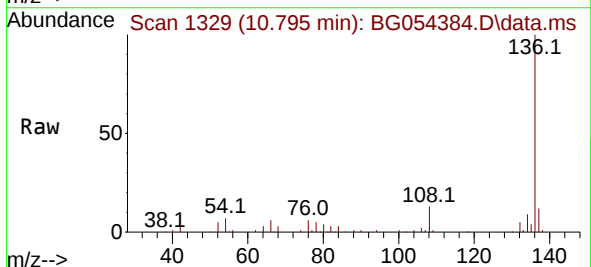
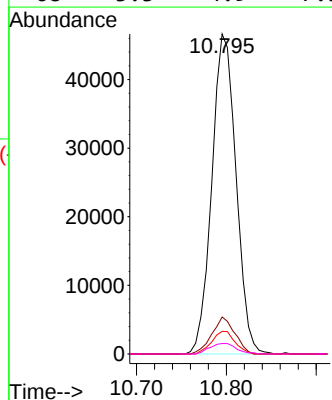
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.795 min Scan# 1329
Delta R.T. -0.013 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

Tgt Ion:136 Resp: 87295
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 7.0 7.4 11.2#
68 3.3 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 18.553 ng
RT: 9.150 min Scan# 1049
Delta R.T. -0.013 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

Instrument :

BNA_G

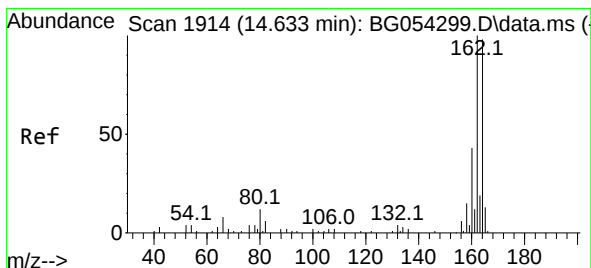
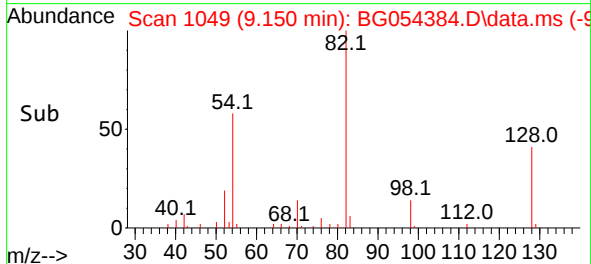
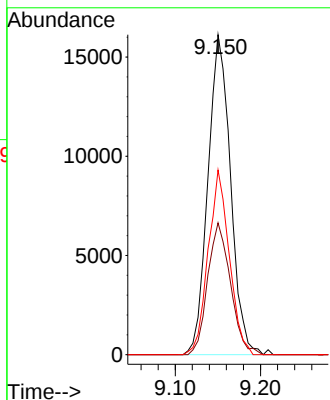
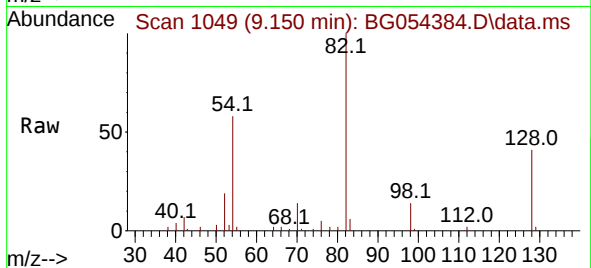
ClientSampleId :

ENV-DE-1(0-5)RE

Tgt Ion: 82 Resp: 2974
Ion Ratio Lower Upper
82 100
128 41.2 27.9 41.9
54 57.7 41.2 61.8

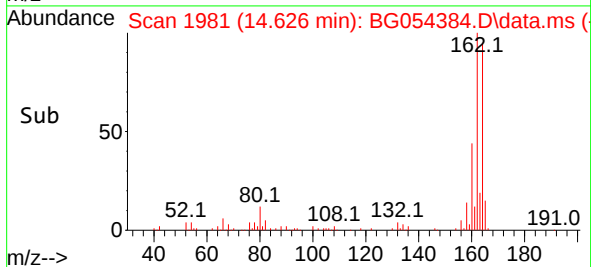
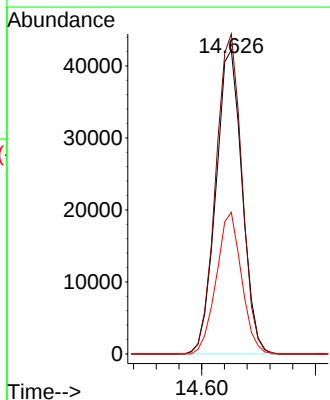
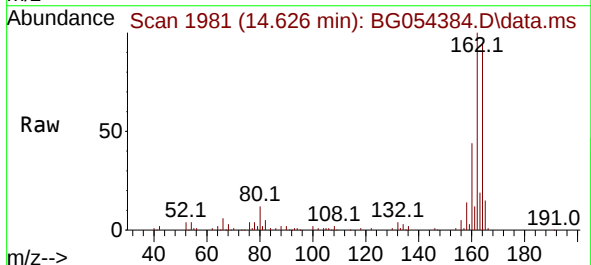
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.626 min Scan# 1981
Delta R.T. -0.007 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

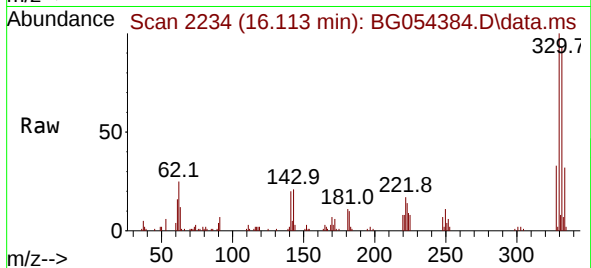
Tgt Ion:164 Resp: 67640
Ion Ratio Lower Upper
164 100
162 105.3 82.3 123.5
160 46.6 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 26.092 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.013 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

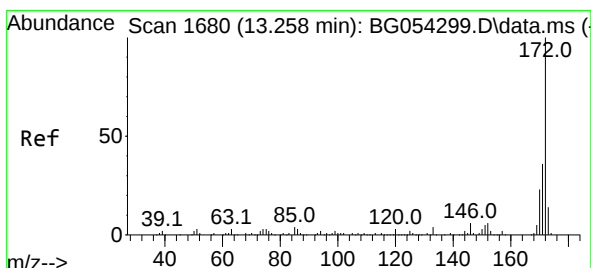
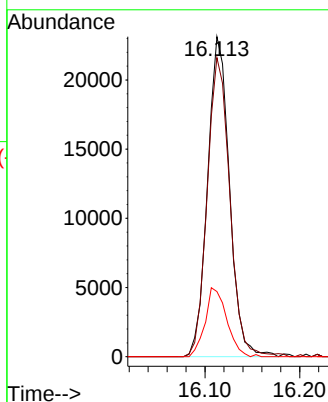
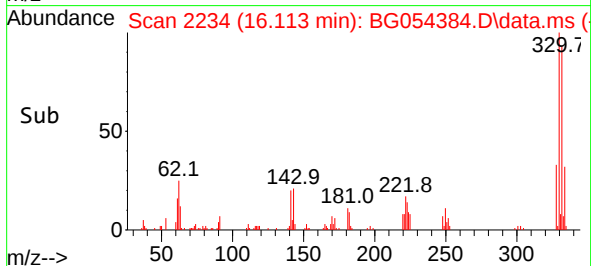
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)RE



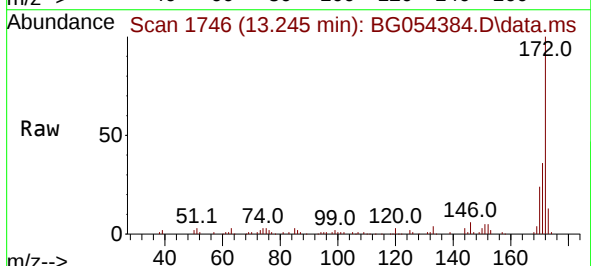
Tgt Ion:330 Resp: 3705
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 21.3 27.1 40.7

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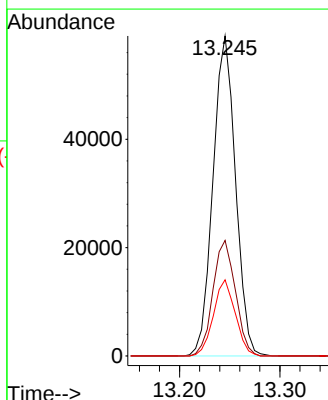
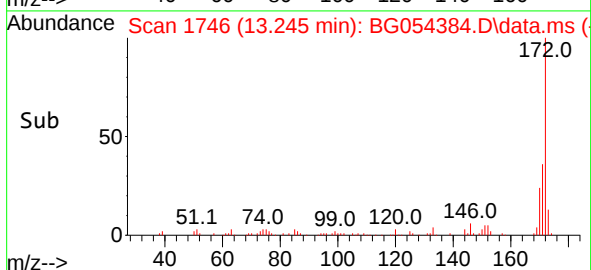
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

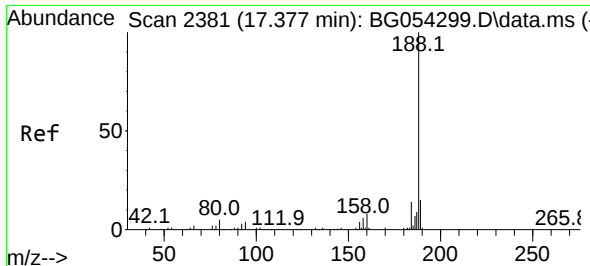


#45
2-Fluorobiphenyl
Concen: 19.170 ng
RT: 13.245 min Scan# 1746
Delta R.T. -0.013 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59



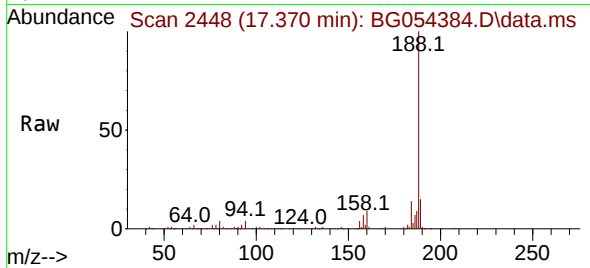
Tgt Ion:172 Resp: 91918
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 23.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.370 min Scan# 2448
Delta R.T. -0.007 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

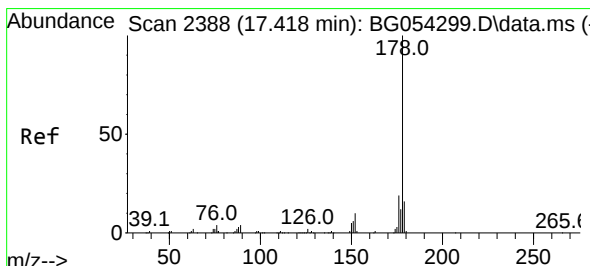
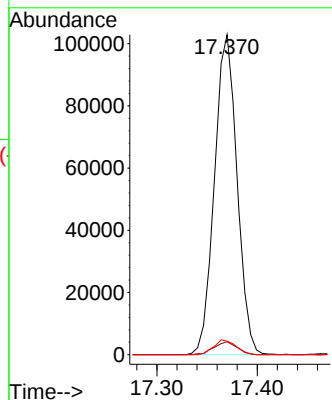
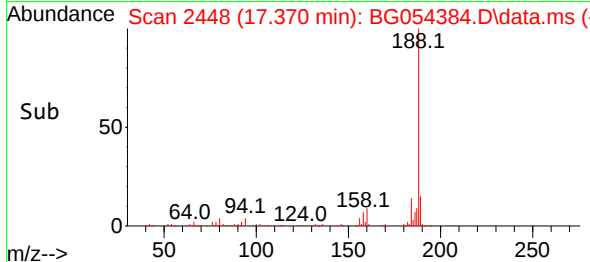
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)RE



Tgt Ion:188 Resp: 160729
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0
80 4.3 6.8 10.2

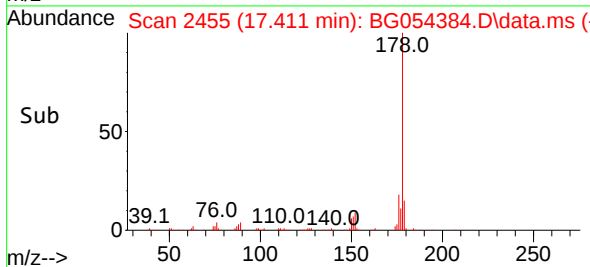
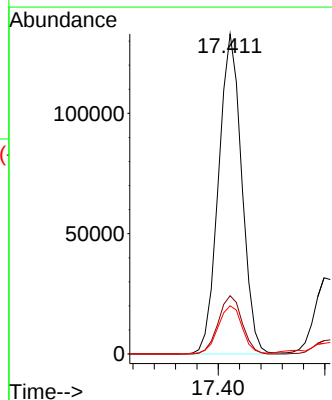
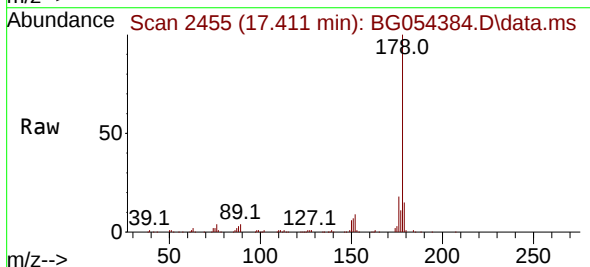
Manual Integrations
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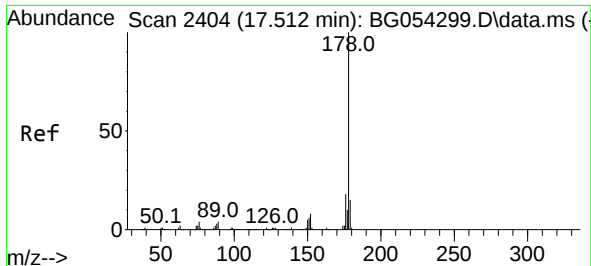
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#71
Phenanthrene
Concen: 25.088 ng
RT: 17.411 min Scan# 2455
Delta R.T. -0.007 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

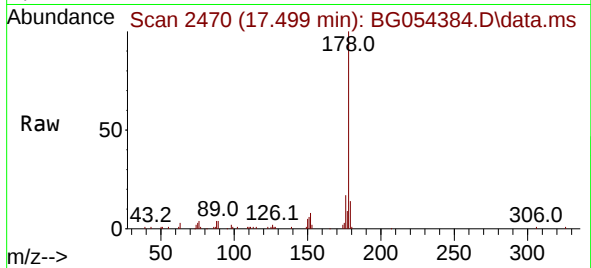
Tgt Ion:178 Resp: 200809
Ion Ratio Lower Upper
178 100
176 18.2 14.1 21.1
179 15.1 12.1 18.1





#72
 Anthracene
 Concen: 6.342 ng
 RT: 17.499 min Scan# 2404
 Delta R.T. -0.013 min
 Lab File: BG054384.D
 Acq: 25 Jul 2022 17:59

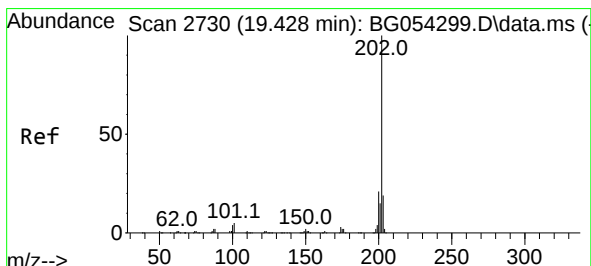
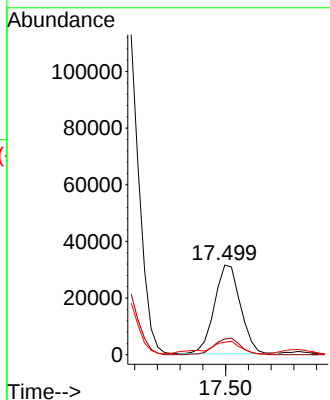
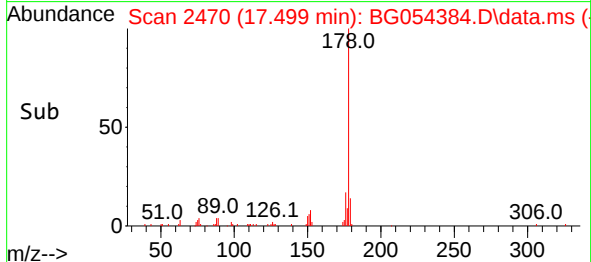
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)RE



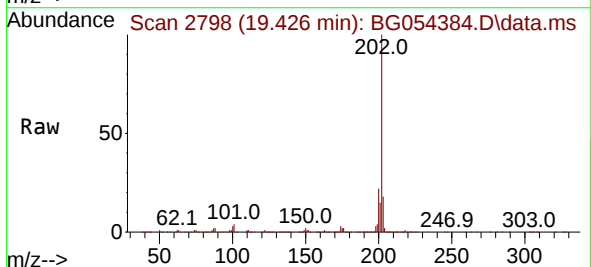
Tgt Ion:178 Resp: 49810
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.2 22.8
 179 13.9 13.0 19.4

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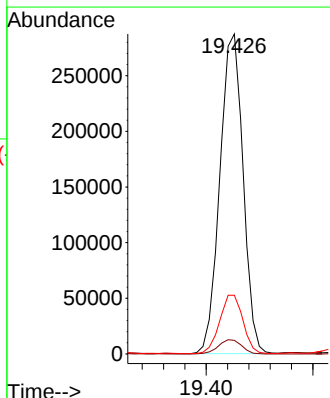
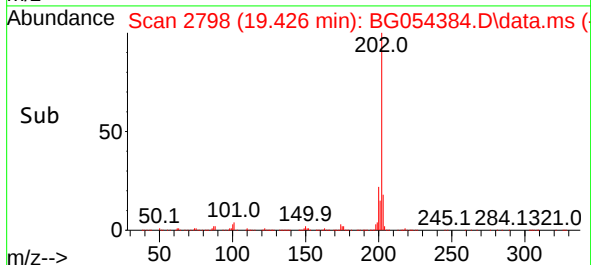
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

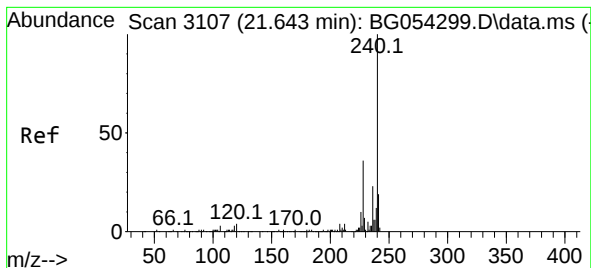


#75
 Fluoranthene
 Concen: 39.754 ng
 RT: 19.426 min Scan# 2798
 Delta R.T. -0.001 min
 Lab File: BG054384.D
 Acq: 25 Jul 2022 17:59



Tgt Ion:202 Resp: 433762
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 18.4 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 3107

Delta R.T. -0.008 min

Lab File: BG054384.D

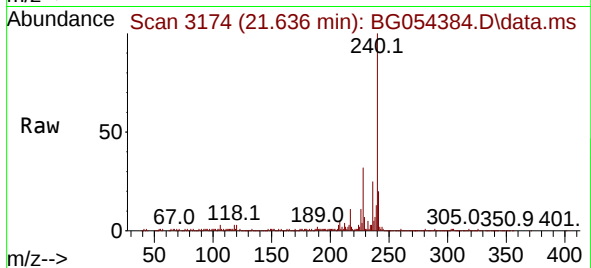
Acq: 25 Jul 2022 17:59

Instrument :

BNA_G

ClientSampleId :

ENV-DE-1(0-5)RE



Tgt Ion:240 Resp: 180130

Ion Ratio Lower Upper

240 100

120 3.3 4.6 7.0

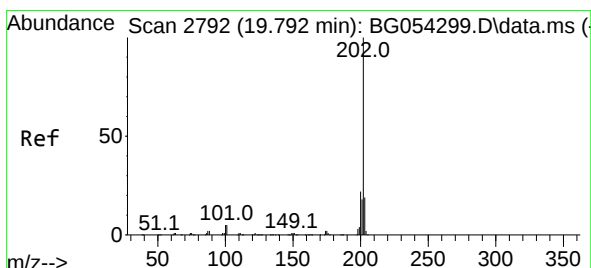
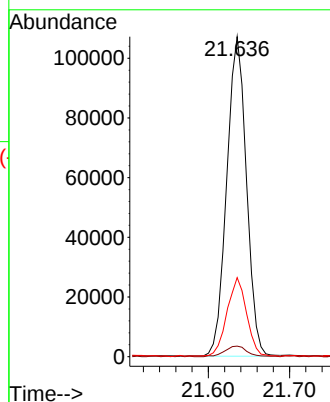
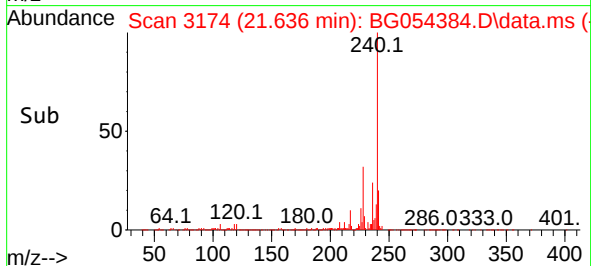
236 24.7 20.2 30.4

Manual Integrations

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#78

Pyrene

Concen: 36.706 ng

RT: 19.785 min Scan# 2859

Delta R.T. -0.007 min

Lab File: BG054384.D

Acq: 25 Jul 2022 17:59

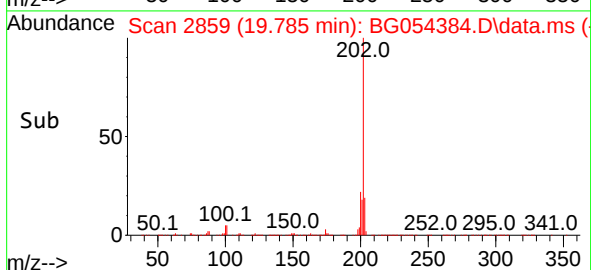
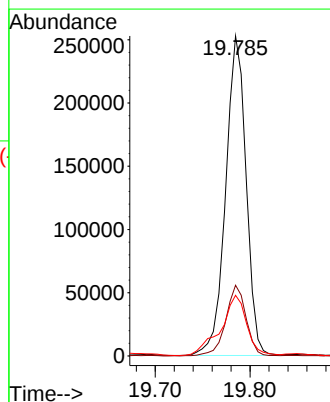
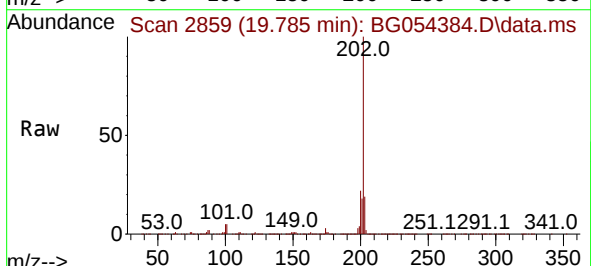
Tgt Ion:202 Resp: 379386

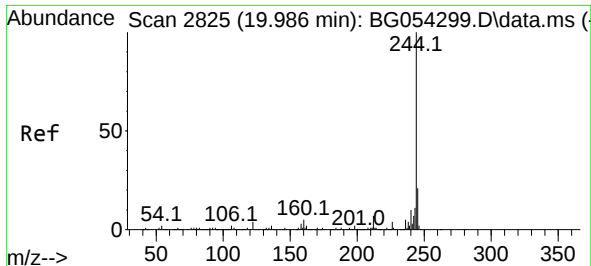
Ion Ratio Lower Upper

202 100

200 22.1 16.6 24.8

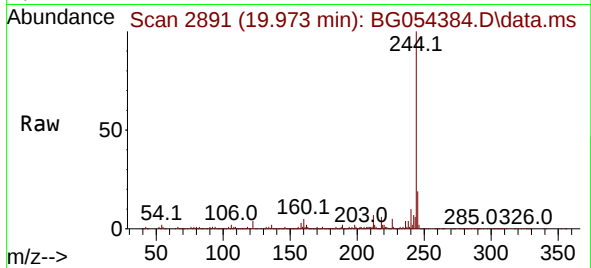
203 18.9 14.6 21.8





#79
 Terphenyl-d14
 Concen: 19.185 ng
 RT: 19.973 min Scan# 2825
 Delta R.T. -0.013 min
 Lab File: BG054384.D
 Acq: 25 Jul 2022 17:59

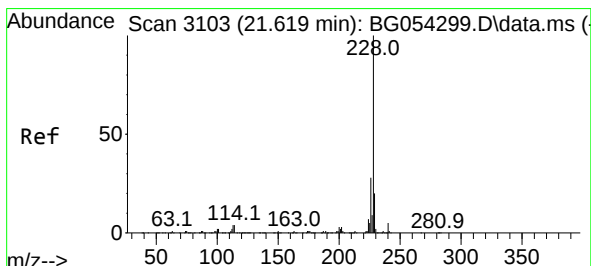
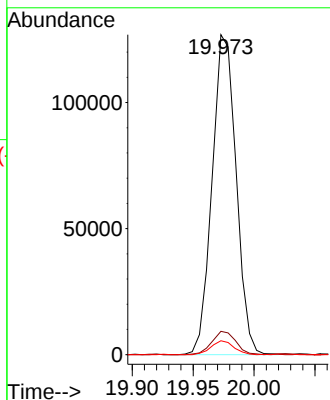
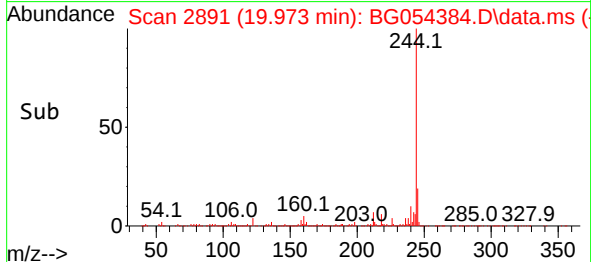
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)RE



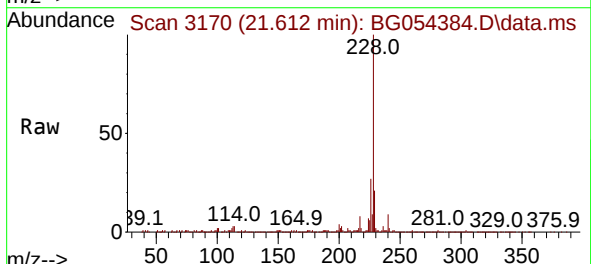
Tgt Ion:244 Resp: 174200
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 4.3 5.0 7.4

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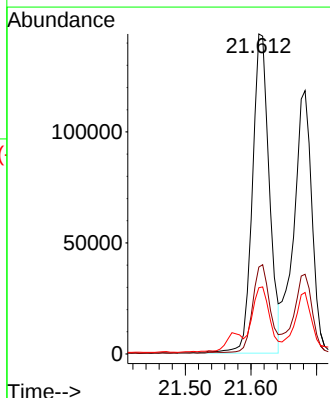
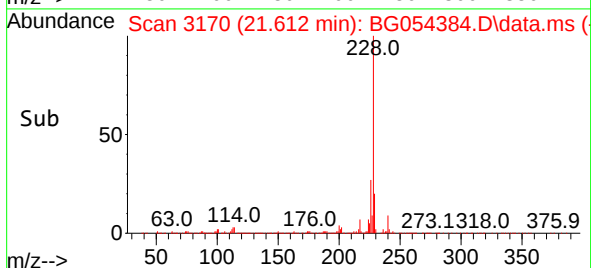
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

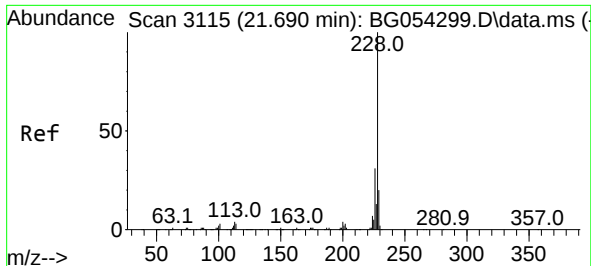


#81
 Benzo(a)anthracene
 Concen: 22.482 ng
 RT: 21.612 min Scan# 3170
 Delta R.T. -0.007 min
 Lab File: BG054384.D
 Acq: 25 Jul 2022 17:59



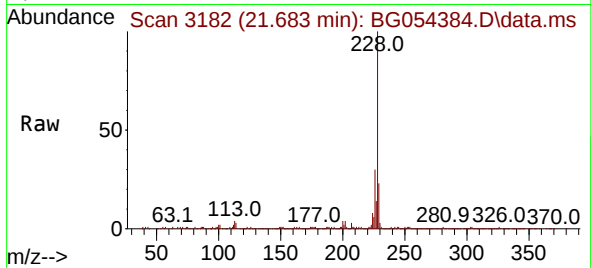
Tgt Ion:228 Resp: 257070
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 20.7 16.2 24.2





#83
Chrysene
Concen: 21.001 ng m
RT: 21.683 min Scan# 3115
Delta R.T. -0.007 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

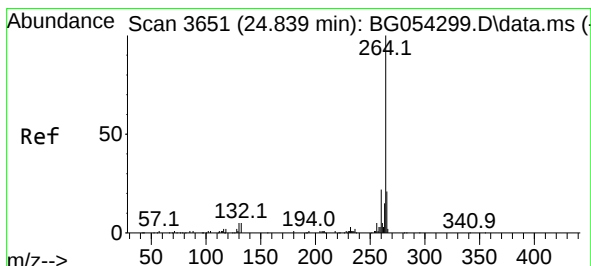
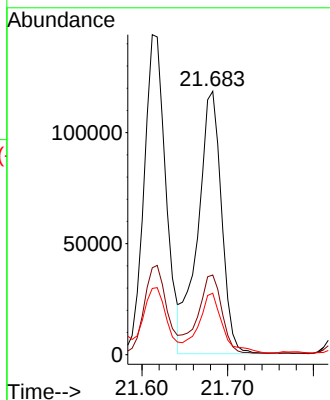
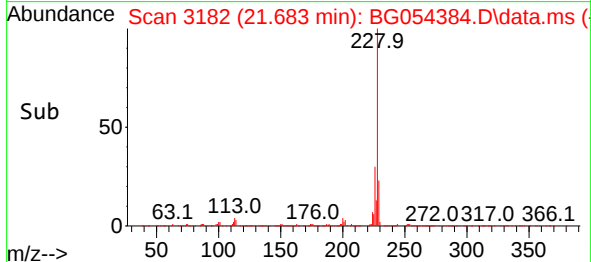
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)RE



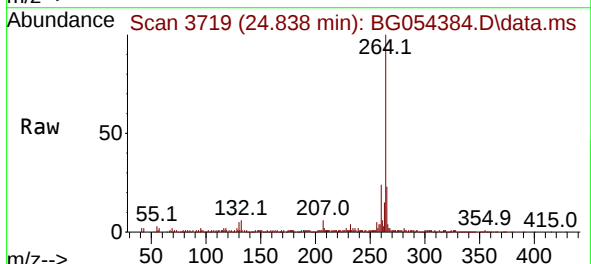
Tgt Ion:228 Resp: 226878
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 23.4 15.5 23.3

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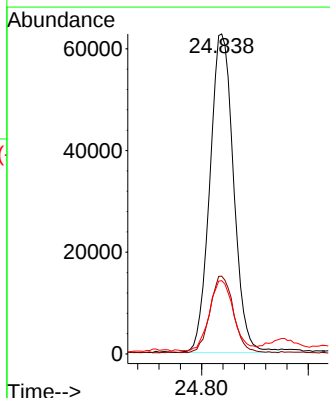
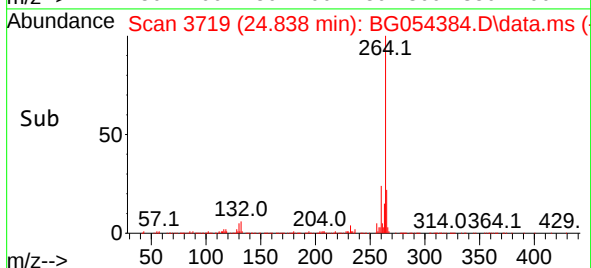
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

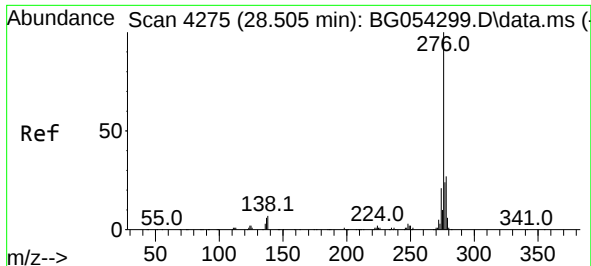


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.838 min Scan# 3719
Delta R.T. -0.001 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59



Tgt Ion:264 Resp: 193490
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 22.9 17.4 26.2





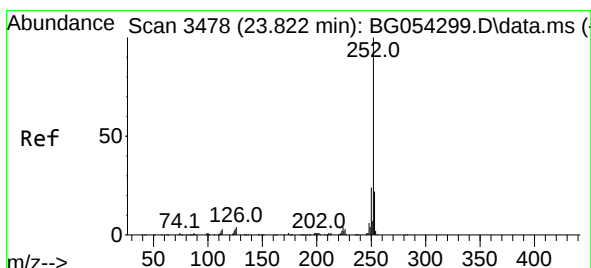
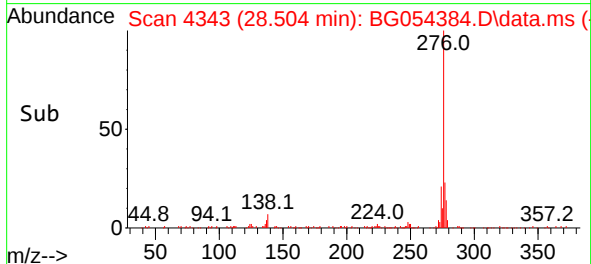
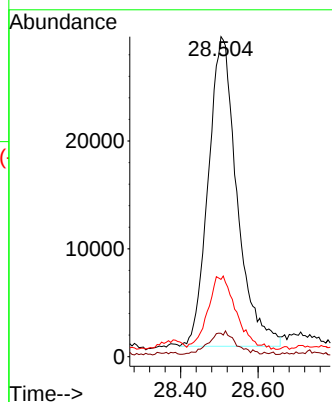
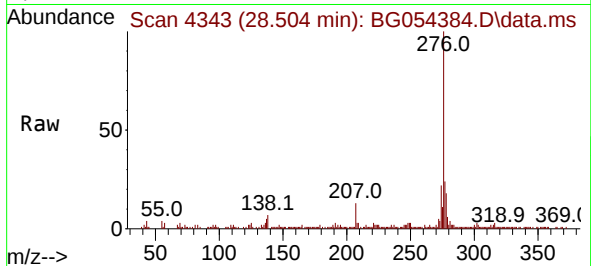
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.033 ng
RT: 28.504 min Scan# 41
Delta R.T. -0.001 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)RE

Tgt Ion:276 Resp: 147680
Ion Ratio Lower Upper
276 100
138 3.8 5.0 7.4
277 23.6 20.3 30.5

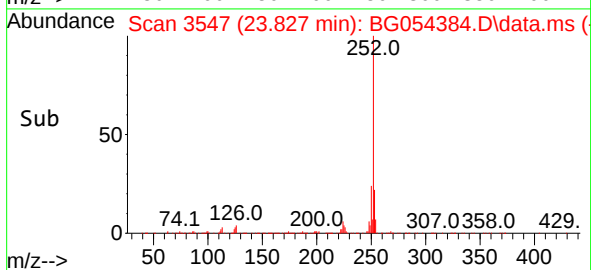
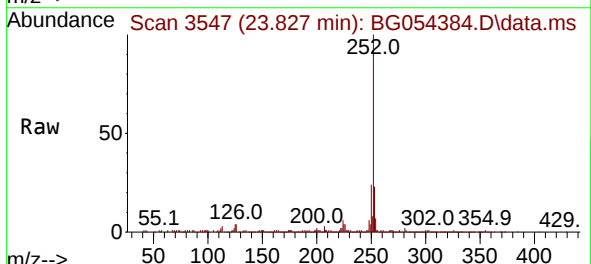
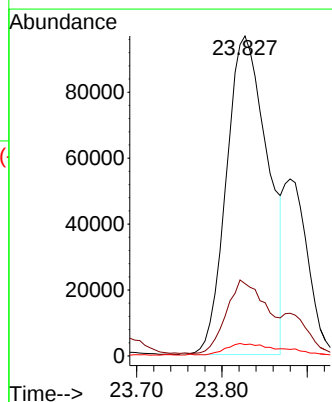
Manual Integrations
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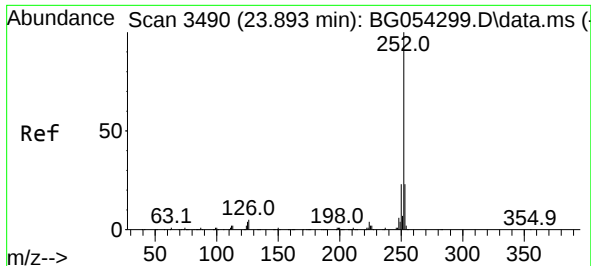
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#88
Benzo(b)fluoranthene
Concen: 28.532 ng
RT: 23.827 min Scan# 3547
Delta R.T. 0.005 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

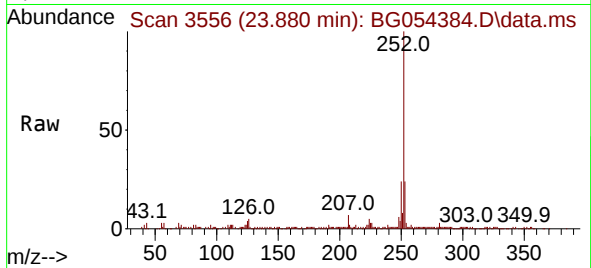
Tgt Ion:252 Resp: 326485
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 3.6 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 9.189 ng m
RT: 23.880 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59

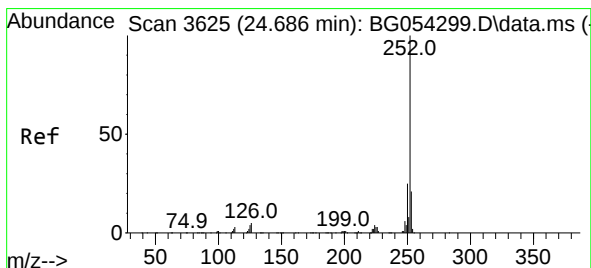
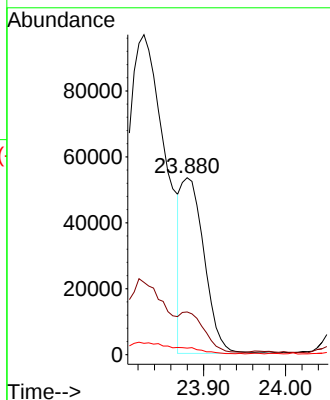
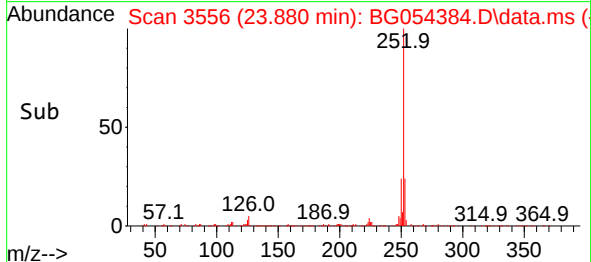
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)RE



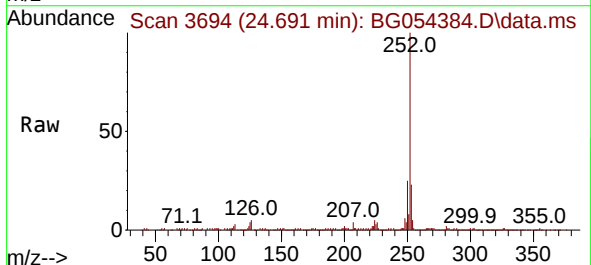
Tgt Ion:252 Resp: 10464
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 3.7 4.8 7.2

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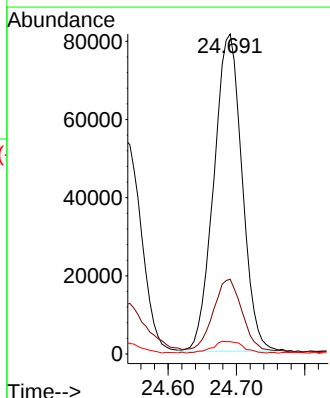
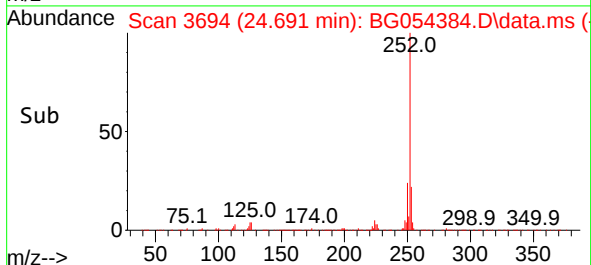
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

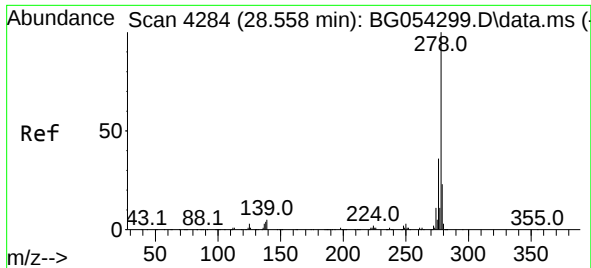


#90
Benzo(a)pyrene
Concen: 23.904 ng m
RT: 24.691 min Scan# 3694
Delta R.T. 0.005 min
Lab File: BG054384.D
Acq: 25 Jul 2022 17:59



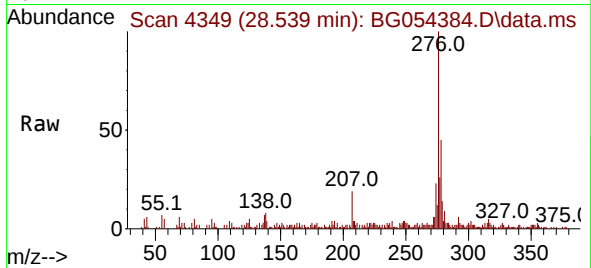
Tgt Ion:252 Resp: 233600
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 3.9 4.3 6.5





#91
 Dibenzo(a,h)anthracene
 Concen: 3.010 ng
 RT: 28.539 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: BG054384.D
 Acq: 25 Jul 2022 17:59

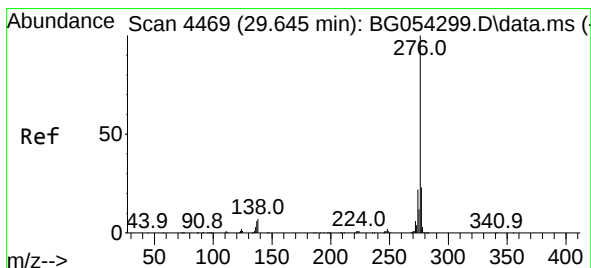
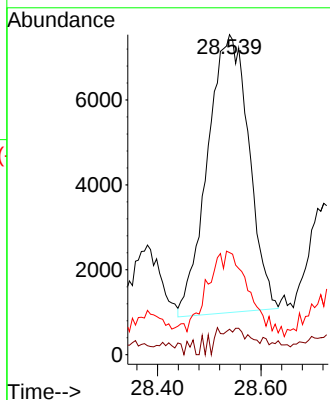
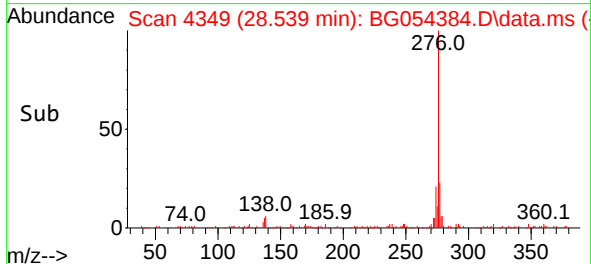
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)RE



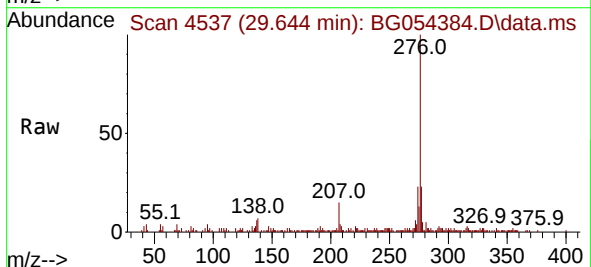
Tgt Ion: 278 Resp: 3643
 Ion Ratio Lower Upper
 278 100
 139 8.0 7.2 10.8
 279 31.9 18.6 27.8

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



#92
 Benzo(g,h,i)perylene
 Concen: 10.926 ng
 RT: 29.644 min Scan# 4537
 Delta R.T. -0.001 min
 Lab File: BG054384.D
 Acq: 25 Jul 2022 17:59



Tgt Ion: 276 Resp: 130527
 Ion Ratio Lower Upper
 276 100
 277 23.1 17.3 25.9
 138 6.5 9.6 14.4

