

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054404.D
 Acq On : 26 Jul 2022 19:02
 Operator : CG/JU
 Sample : N3881-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4299E

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/27/2022
 Supervised By : Jagrut Upadhyay 07/27/2022

Quant Time: Jul 27 04:34:07 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	7.987	152	20591	20.000	ng	-0.01
21) Naphthalene-d8	10.796	136	78671	20.000	ng	#-0.01
39) Acenaphthene-d10	14.621	164	58830	20.000	ng	-0.01
64) Phenanthrene-d10	17.365	188	139720	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	157519	20.000	ng	#-0.01
86) Perylene-d12	24.827	264	161656	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	99613	101.005	ng	0.00
7) Phenol-d6	7.171	99	129928	96.146	ng	0.00
23) Nitrobenzene-d5	9.151	82	86777	60.068	ng	-0.01
42) 2,4,6-Tribromophenol	16.113	330	109040	88.276	ng	-0.01
45) 2-Fluorobiphenyl	13.240	172	256405	61.484	ng	-0.02
79) Terphenyl-d14	19.973	244	489458	61.643	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.843	128	16039	4.061	ng	95
37) 2-Methylnaphthalene	12.453	142	12833	4.232	ng	97
38) 1-Methylnaphthalene	12.670	142	10544m	3.568	ng	
71) Phenanthrene	17.406	178	35316	5.076	ng	99
74) Di-n-butylphthalate	18.322	149	343493	51.780	ng	98
75) Fluoranthene	19.421	202	74543	7.859	ng	93
78) Pyrene	19.779	202	69572	7.697	ng	97
81) Benzo(a)anthracene	21.613	228	48019	4.802	ng	98
83) Chrysene	21.677	228	47598	5.038	ng	97
87) Indeno(1,2,3-cd)pyrene	28.499	276	33859	2.753	ng	# 97
88) Benzo(b)fluoranthene	23.816	252	75647	7.913	ng	# 89
89) Benzo(k)fluoranthene	23.875	252	24047m	2.527	ng	
90) Benzo(a)pyrene	24.680	252	52901	6.479	ng	# 89
92) Benzo(g,h,i)perylene	29.644	276	35188	3.526	ng	# 85

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

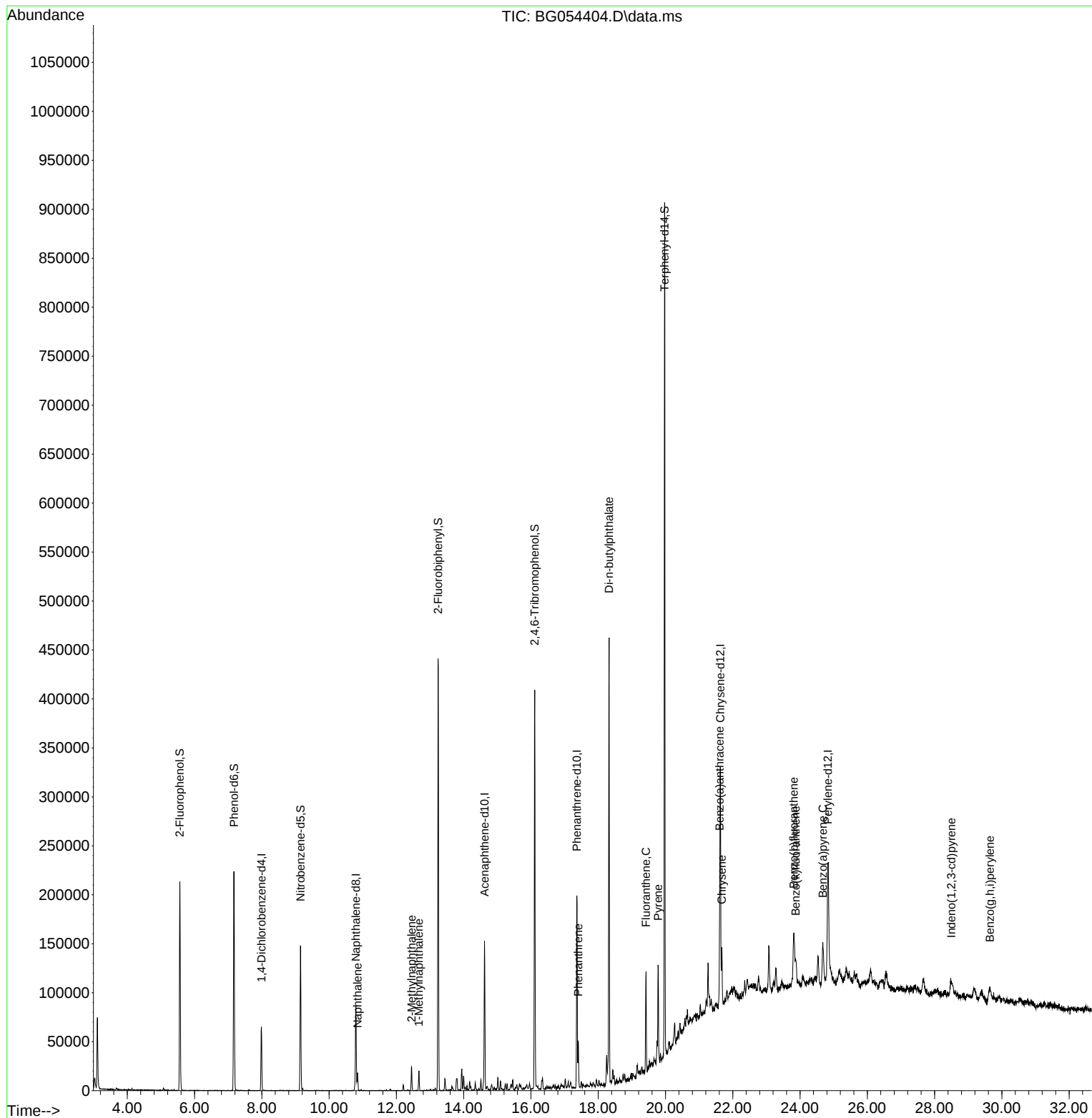
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054404.D
Acq On : 26 Jul 2022 19:02
Operator : CG/JU
Sample : N3881-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

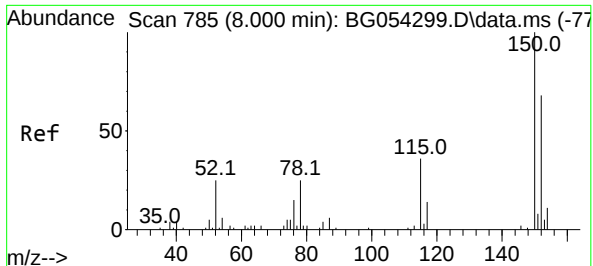
Instrument :
BNA_G
ClientSampleId :
4299E

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 07/27/2022
Supervised By : Jagrut Upadhyay 07/27/2022

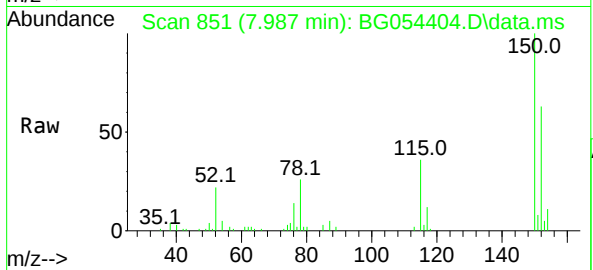
Quant Time: Jul 27 04:34:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

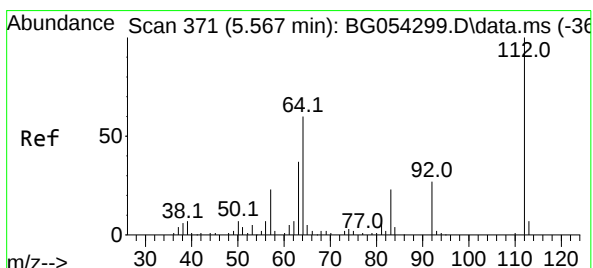
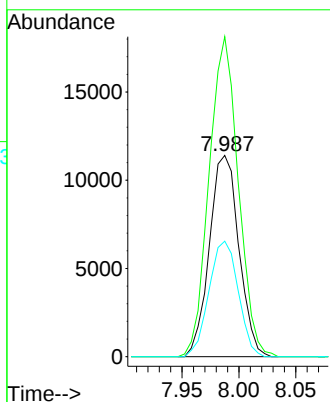
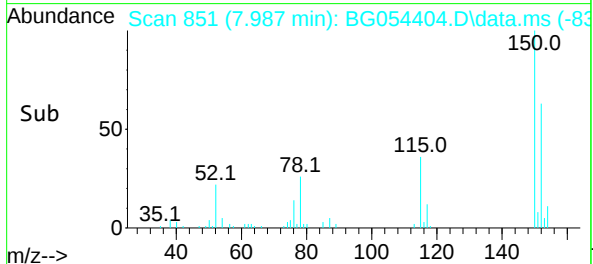
Instrument :
BNA_G
ClientSampleId :
4299E



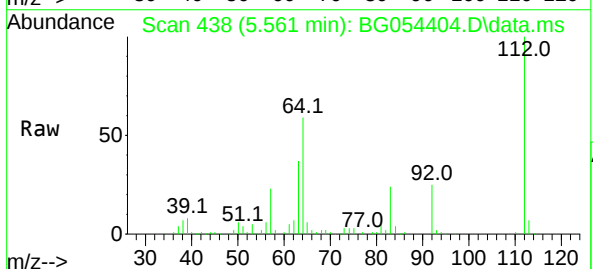
Tgt Ion:152 Resp: 2059
Ion Ratio Lower Upper
152 100
150 159.0 131.6 197.4
115 57.4 50.9 76.3

Manual Integrations
APPROVED

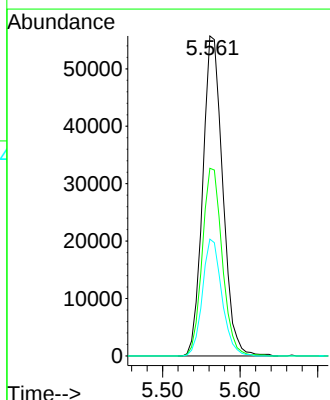
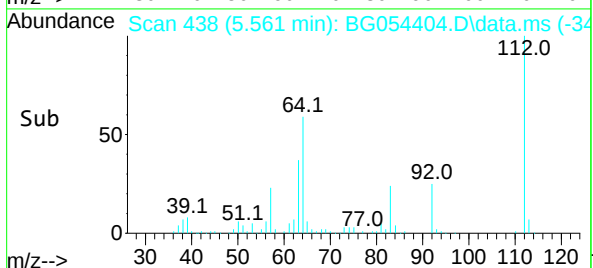
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

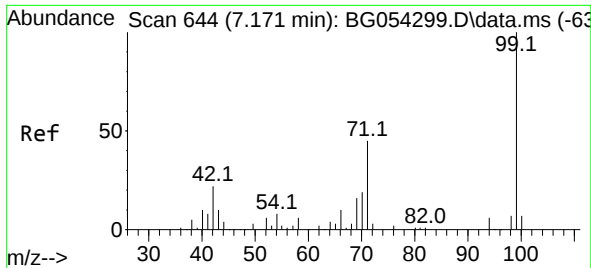


#5
2-Fluorophenol
Concen: 101.005 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.007 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02



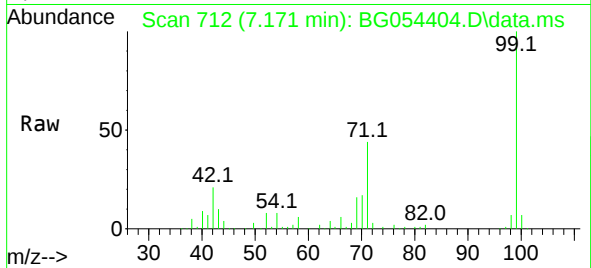
Tgt Ion:112 Resp: 99613
Ion Ratio Lower Upper
112 100
64 58.6 55.1 82.7
63 36.5 30.4 45.6





#7
Phenol-d6
Concen: 96.146 ng
RT: 7.171 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

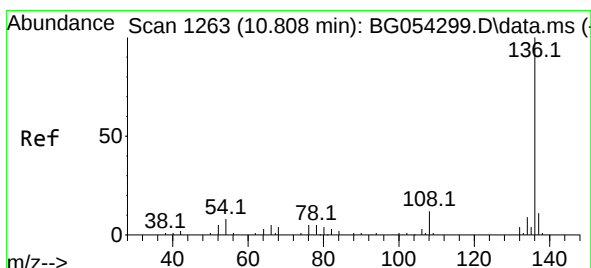
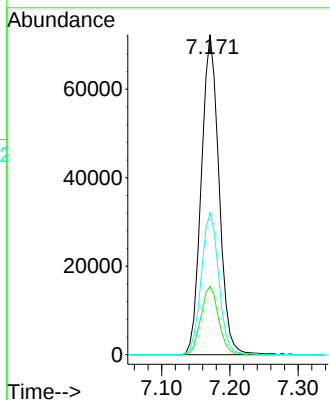
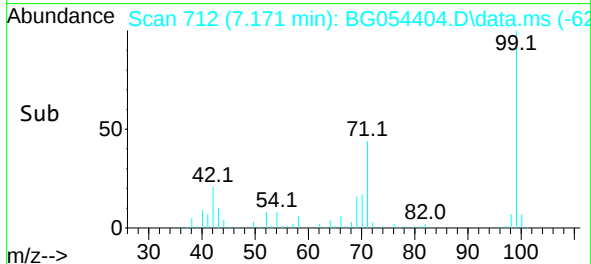
Instrument :
BNA_G
ClientSampleId :
4299E



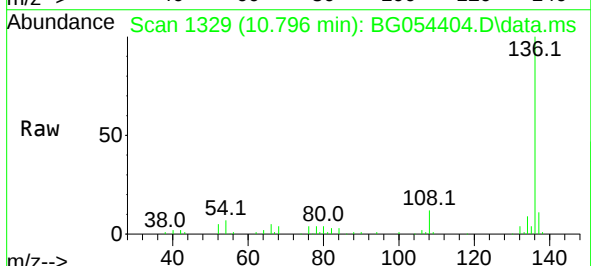
Tgt Ion: 99 Resp: 129928
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 44.3 33.8 50.8

Manual Integrations
APPROVED

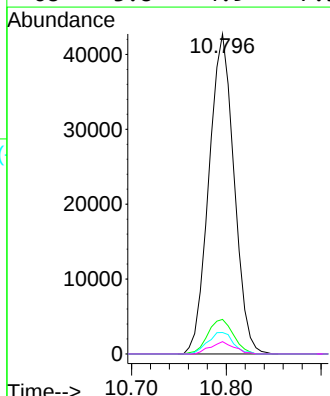
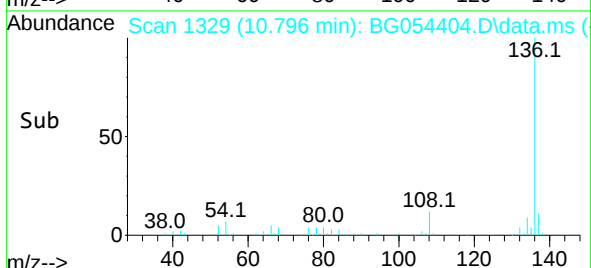
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02



Tgt Ion:136 Resp: 78671
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 6.7 7.4 11.2#
68 3.8 4.9 7.3#





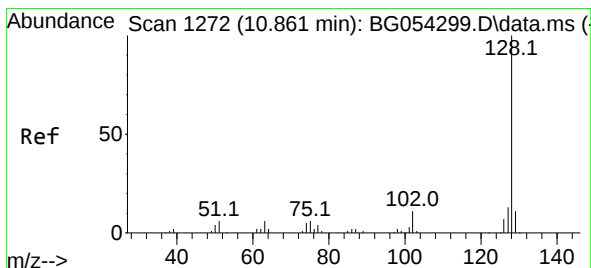
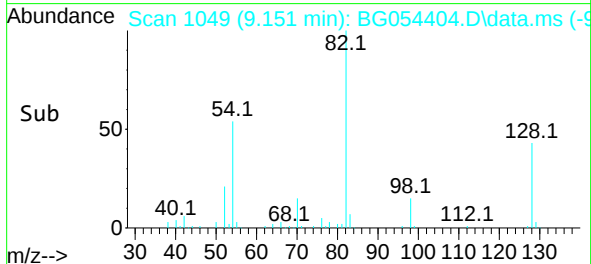
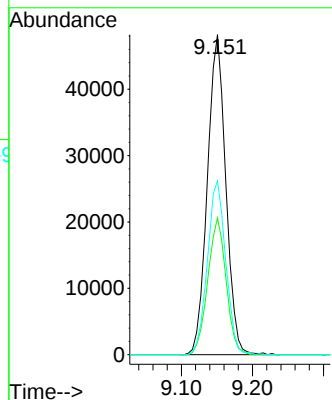
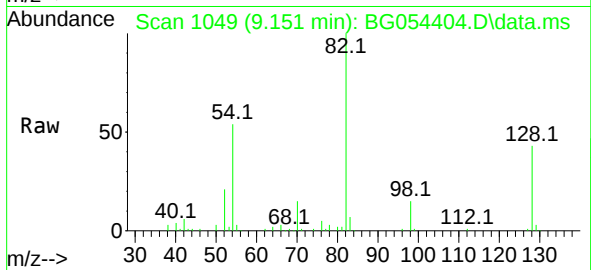
#23
Nitrobenzene-d5
Concen: 60.068 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Instrument :
BNA_G
ClientSampleId :
4299E

Tgt Ion: 82 Resp: 8677
Ion Ratio Lower Upper
82 100
128 42.8 27.9 41.9
54 54.3 41.2 61.8

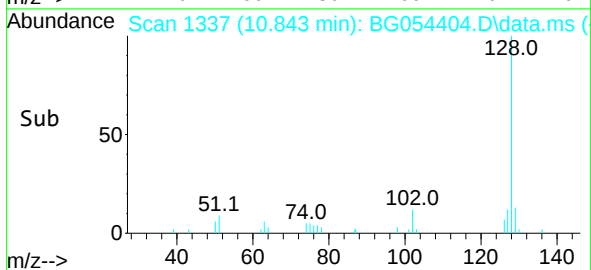
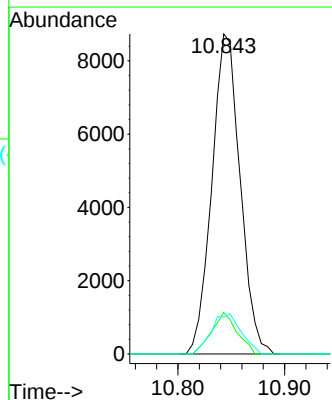
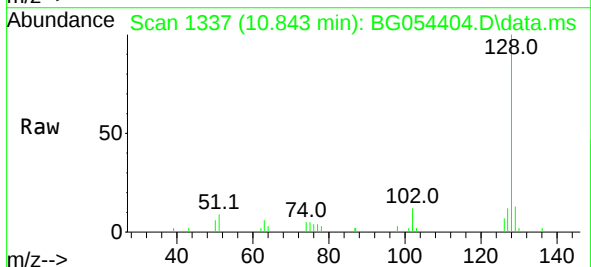
Manual Integrations
APPROVED

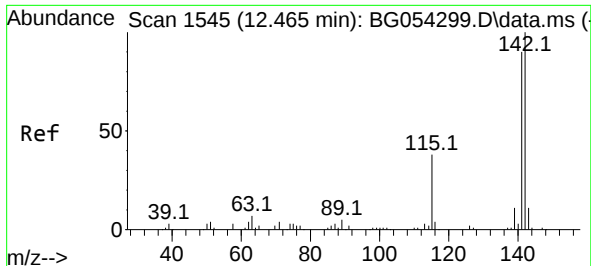
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#31
Naphthalene
Concen: 4.061 ng
RT: 10.843 min Scan# 1337
Delta R.T. -0.018 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:128 Resp: 16039
Ion Ratio Lower Upper
128 100
129 13.0 9.0 13.6
127 11.6 11.1 16.7





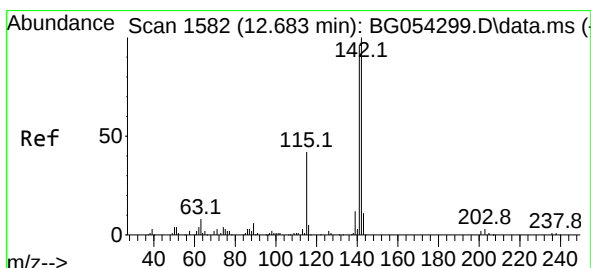
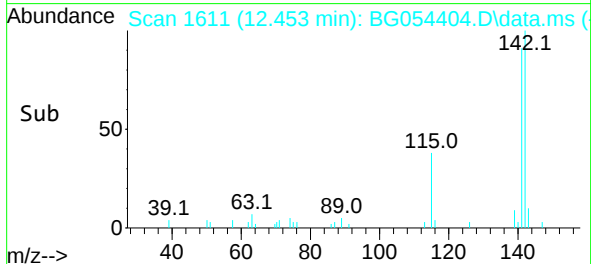
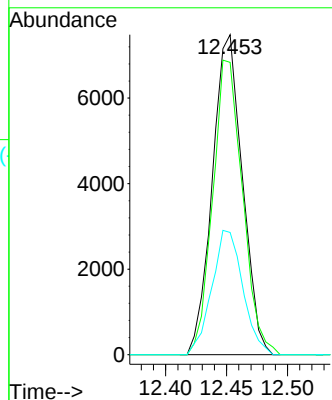
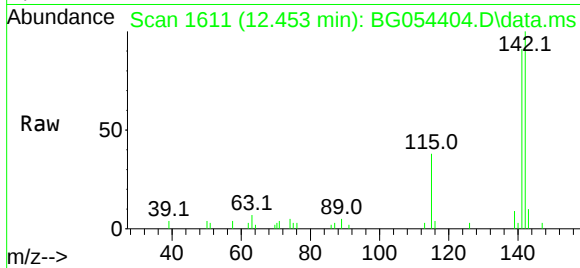
#37
2-Methylnaphthalene
Concen: 4.232 ng
RT: 12.453 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Instrument :
BNA_G
ClientSampleId :
4299E

Tgt Ion:142 Resp: 1283
Ion Ratio Lower Upper
142 100
141 91.4 72.3 108.5
115 38.2 33.7 50.5

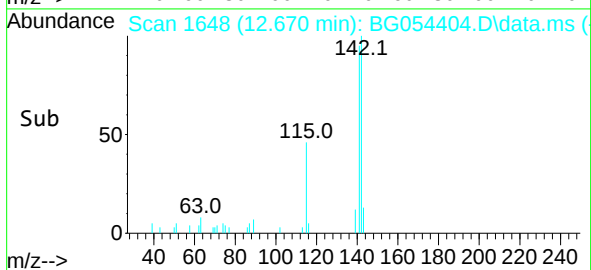
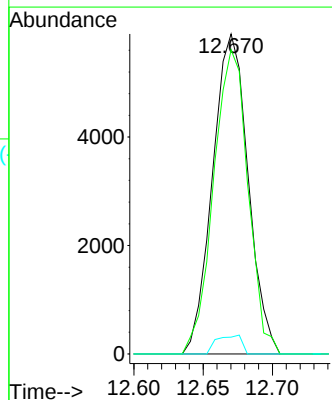
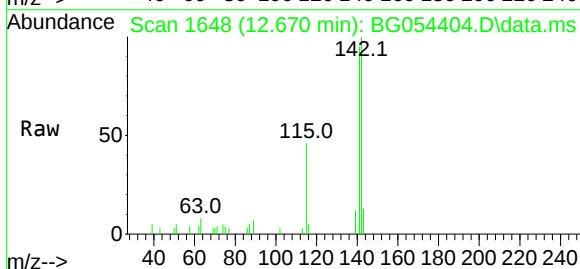
Manual Integrations
APPROVED

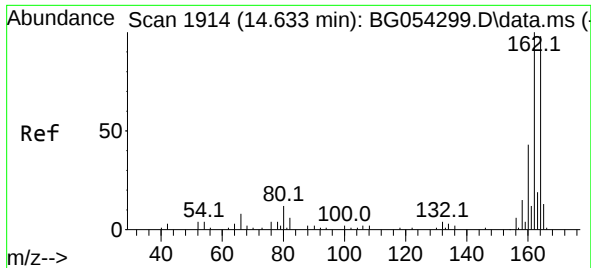
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#38
1-Methylnaphthalene
Concen: 3.568 ng m
RT: 12.670 min Scan# 1648
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

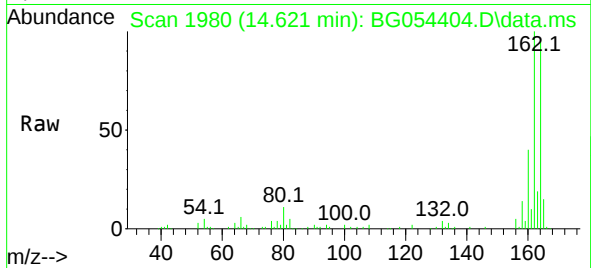
Tgt Ion:142 Resp: 10544
Ion Ratio Lower Upper
142 100
141 95.1 76.4 114.6
116 5.3 3.3 4.9#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1914
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

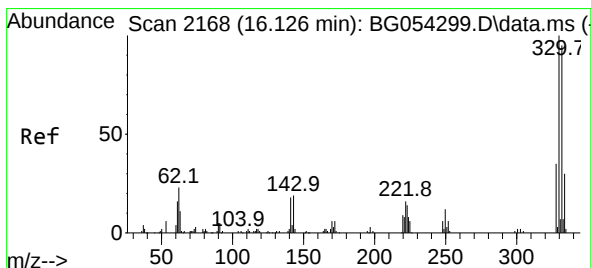
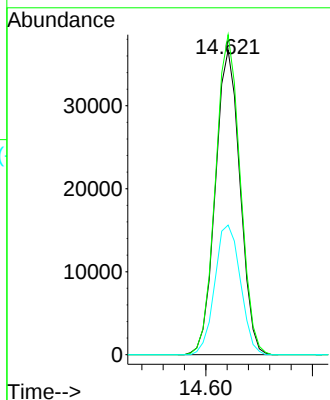
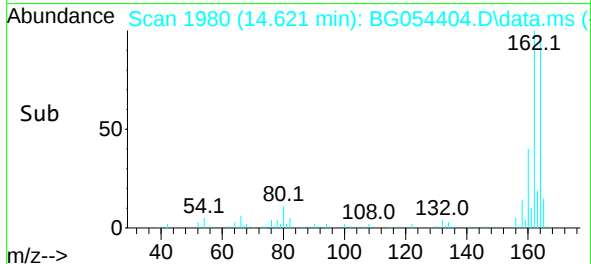
Instrument :
BNA_G
ClientSampleId :
4299E



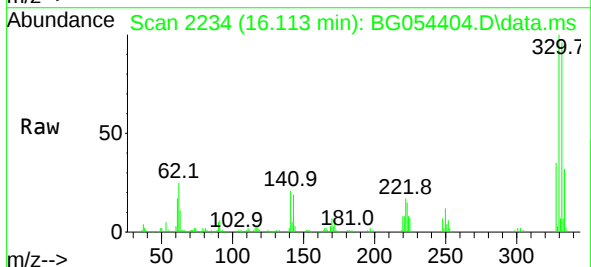
Tgt Ion:164 Resp: 58830
Ion Ratio Lower Upper
164 100
162 105.1 82.3 123.5
160 42.5 34.2 51.2

Manual Integrations
APPROVED

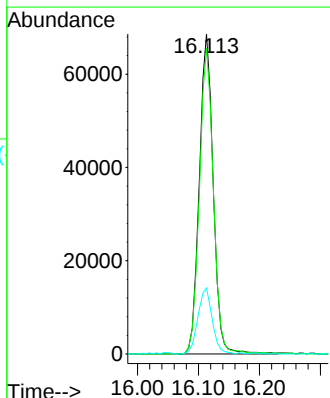
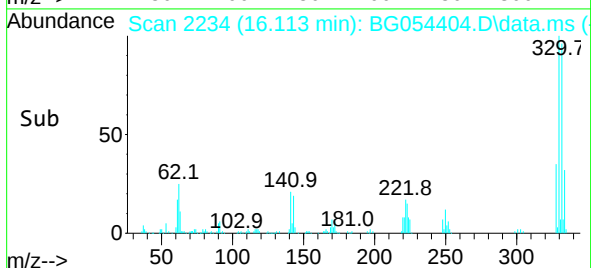
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

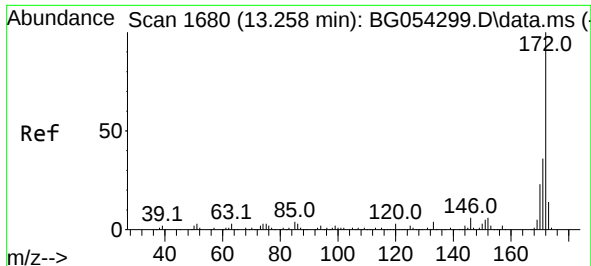


#42
2,4,6-Tribromophenol
Concen: 88.276 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02



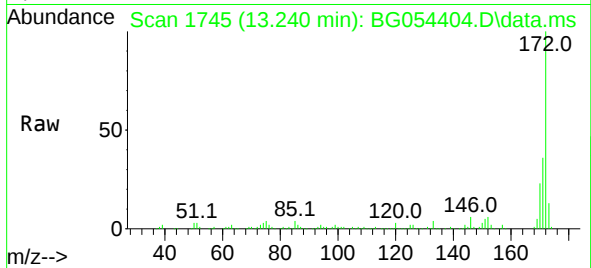
Tgt Ion:330 Resp: 109040
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 21.2 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 61.484 ng
RT: 13.240 min Scan# 11
Delta R.T. -0.018 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

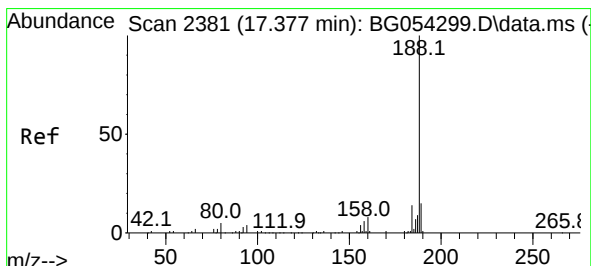
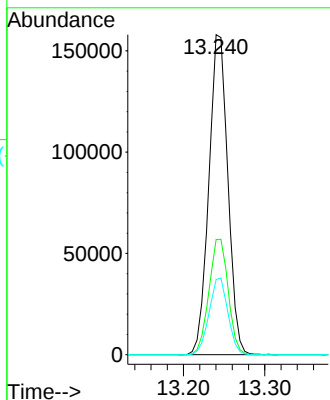
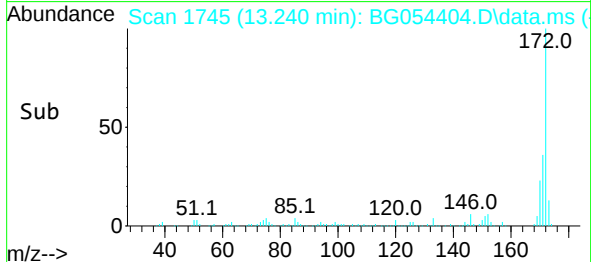
Instrument :
BNA_G
ClientSampleId :
4299E



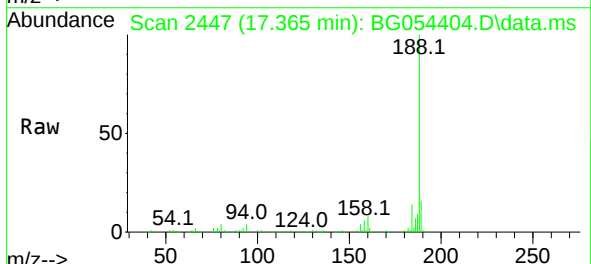
Tgt Ion:172 Resp: 25640
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 23.5 18.9 28.3

Manual Integrations
APPROVED

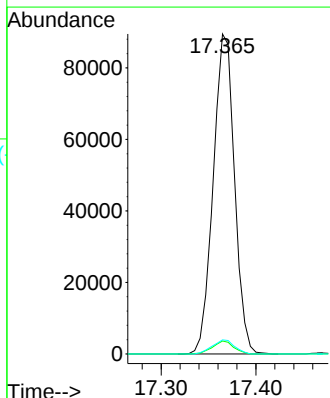
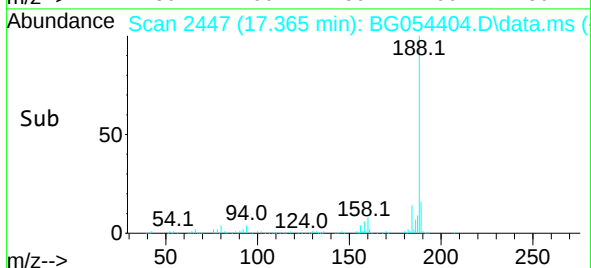
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

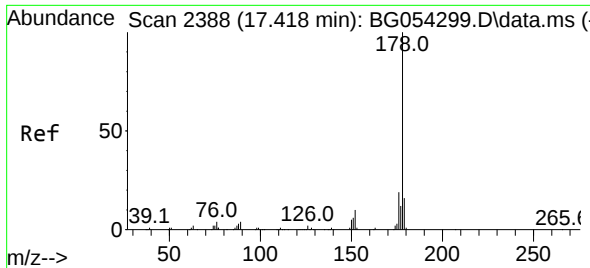


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02



Tgt Ion:188 Resp: 139720
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 4.4 6.8 10.2#





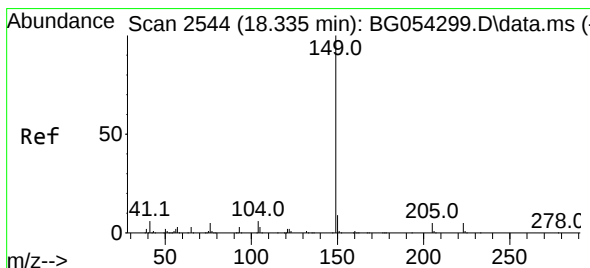
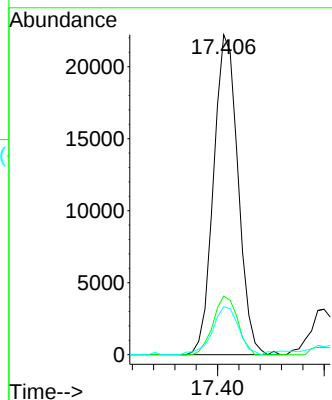
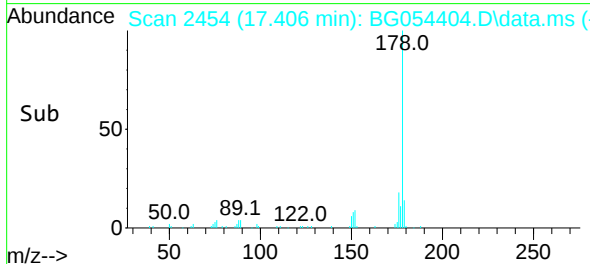
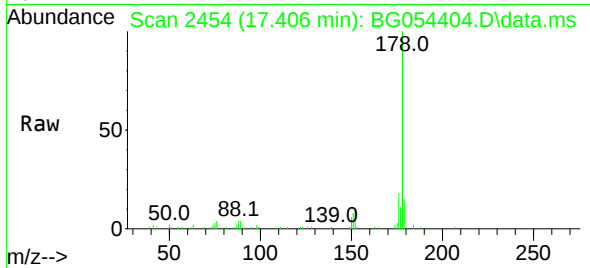
#71
Phenanthrene
Concen: 5.076 ng
RT: 17.406 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Instrument :
BNA_G
ClientSampleId :
4299E

Tgt Ion:178 Resp: 35310
Ion Ratio Lower Upper
178 100
176 18.3 14.1 21.1
179 15.0 12.1 18.1

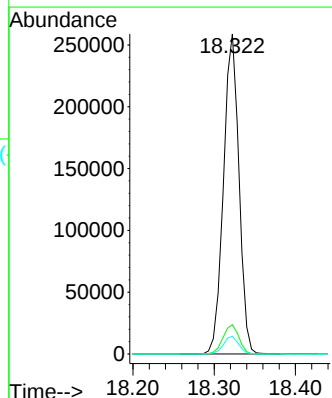
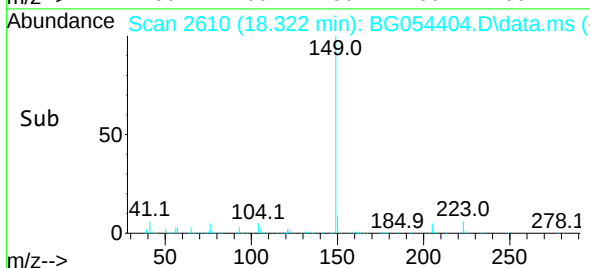
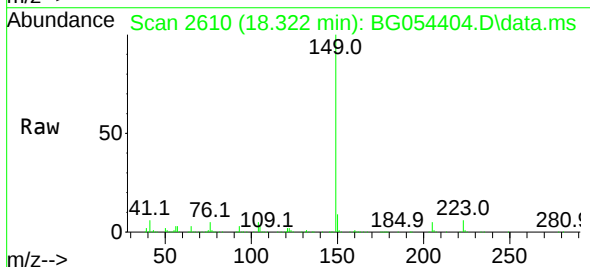
Manual Integrations
APPROVED

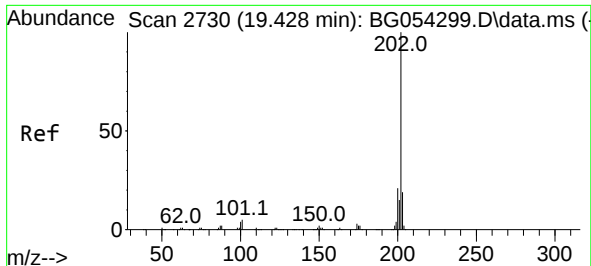
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#74
Di-n-butylphthalate
Concen: 51.780 ng
RT: 18.322 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

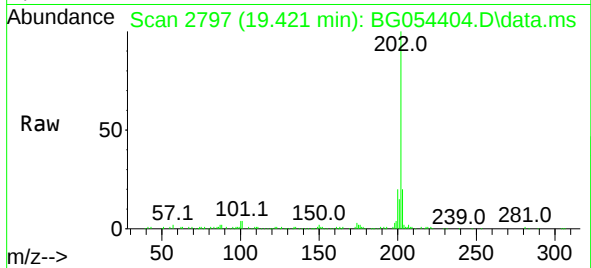
Tgt Ion:149 Resp: 343493
Ion Ratio Lower Upper
149 100
150 9.1 7.7 11.5
104 5.5 5.4 8.0





#75
Fluoranthene
Concen: 7.859 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

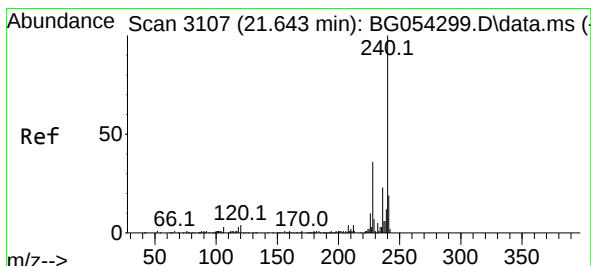
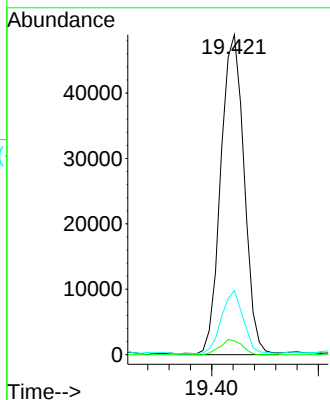
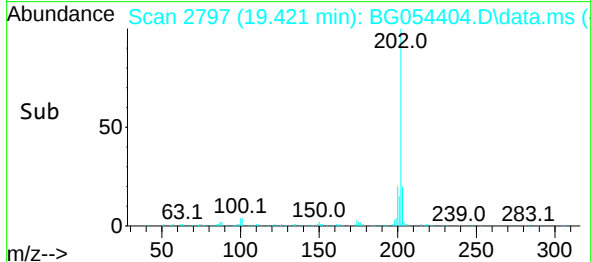
Instrument :
BNA_G
ClientSampleId :
4299E



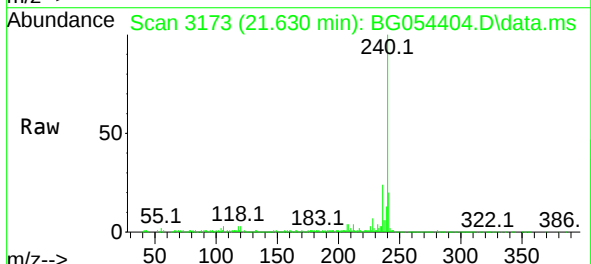
Tgt Ion:202 Resp: 7454
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 20.0 0.0 37.2

Manual Integrations
APPROVED

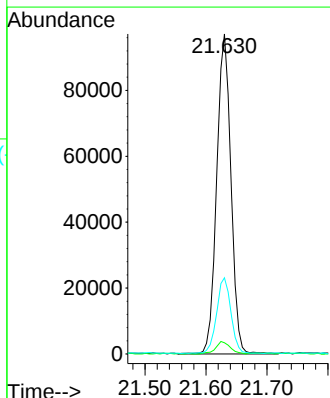
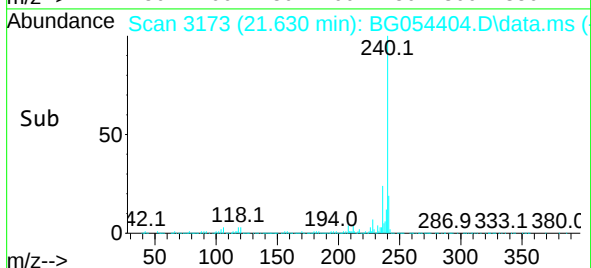
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

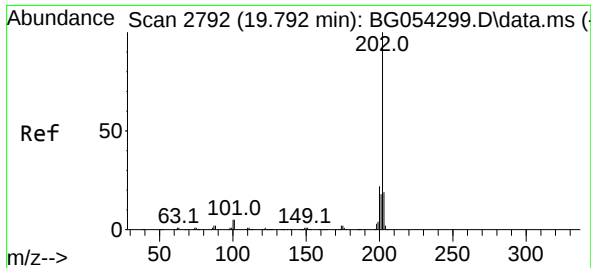


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.013 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02



Tgt Ion:240 Resp: 157519
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 23.8 20.2 30.4





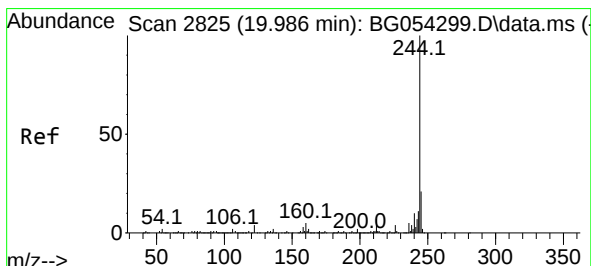
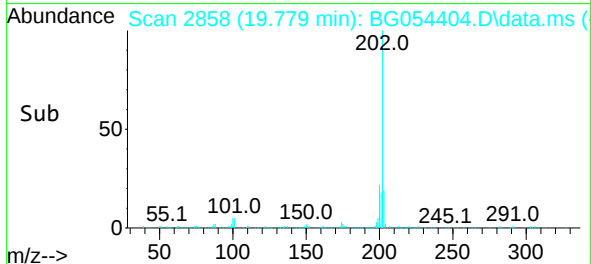
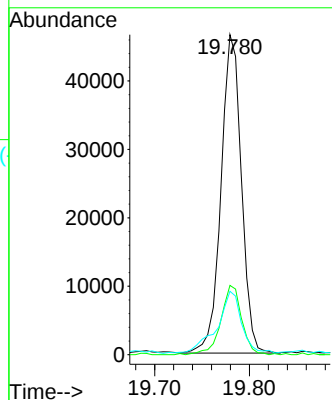
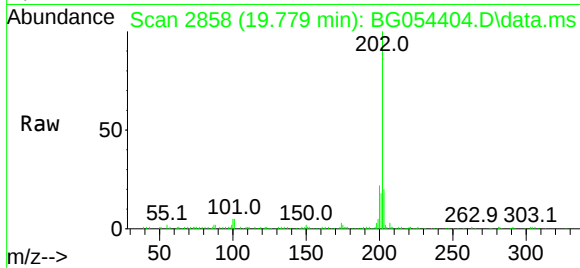
#78
Pyrene
Concen: 7.697 ng
RT: 19.779 min Scan# 2891
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Instrument :
BNA_G
ClientSampleId :
4299E

Tgt Ion:202 Resp: 69572
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 19.8 14.6 21.8

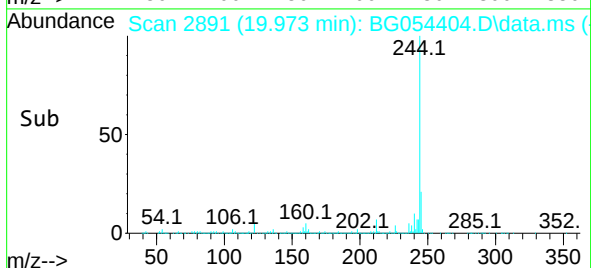
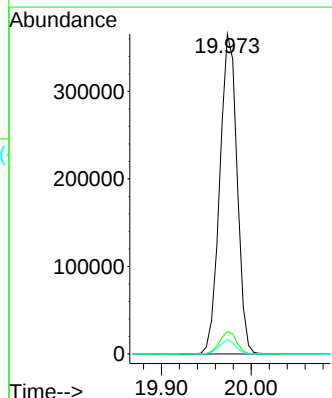
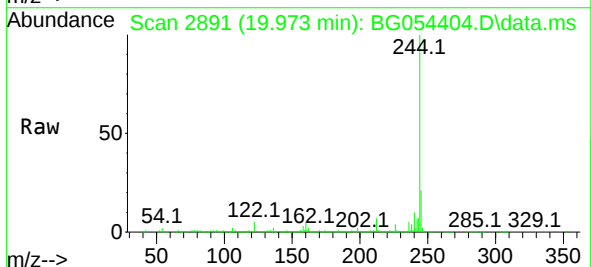
Manual Integrations
APPROVED

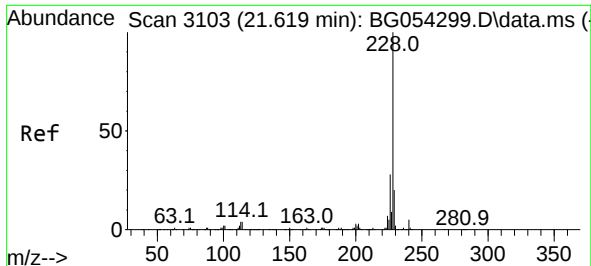
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#79
Terphenyl-d14
Concen: 61.643 ng
RT: 19.973 min Scan# 2891
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

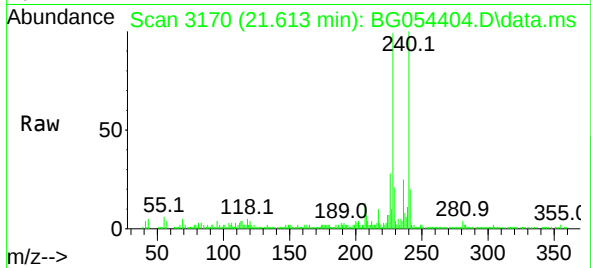
Tgt Ion:244 Resp: 489458
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.5 5.0 7.4





#81
Benzo(a)anthracene
Concen: 4.802 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.007 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

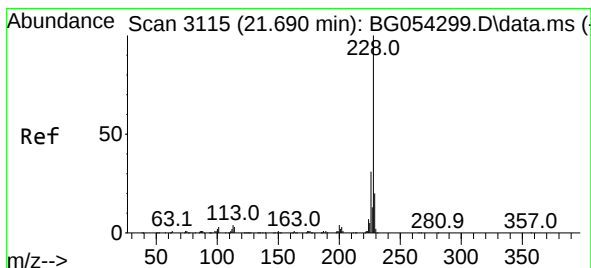
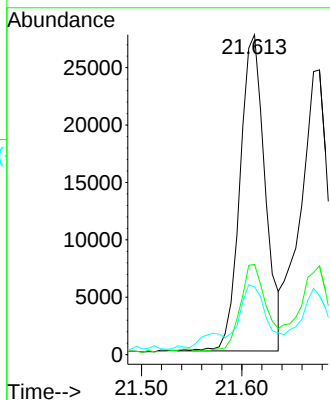
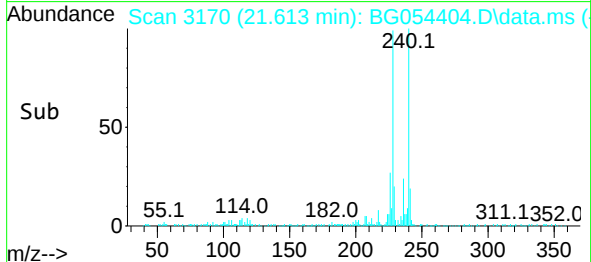
Instrument :
BNA_G
ClientSampleId :
4299E



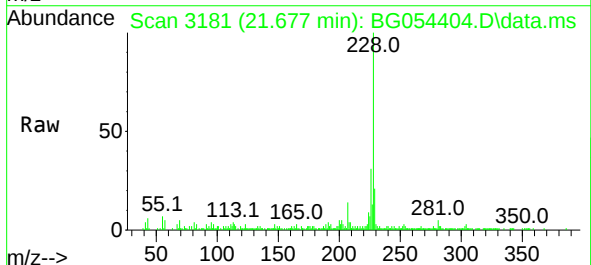
Tgt Ion:228 Resp: 48019
Ion Ratio Lower Upper
228 100
226 28.2 21.6 32.4
229 21.2 16.2 24.2

Manual Integrations
APPROVED

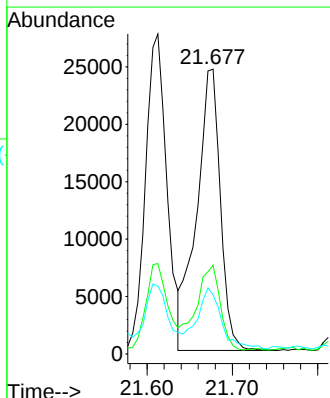
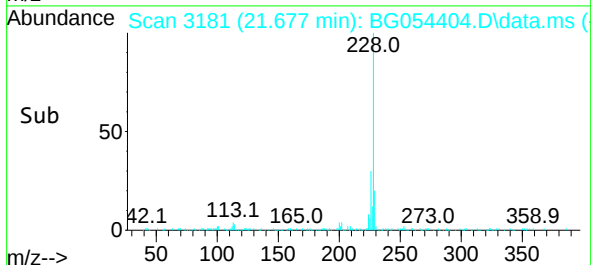
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

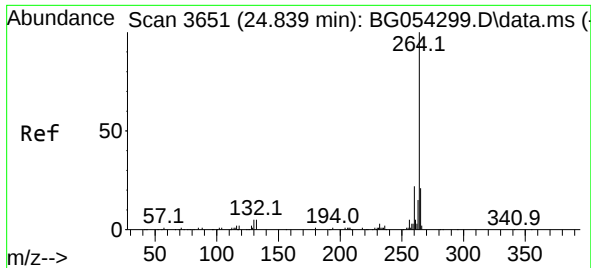


#83
Chrysene
Concen: 5.038 ng
RT: 21.677 min Scan# 3181
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02



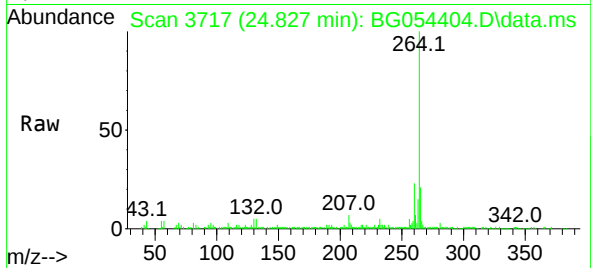
Tgt Ion:228 Resp: 47598
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 20.7 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.827 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BG054404.D
 Acq: 26 Jul 2022 19:02

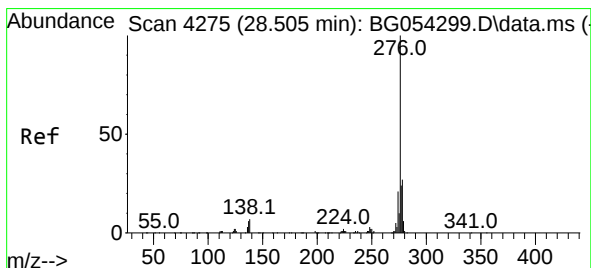
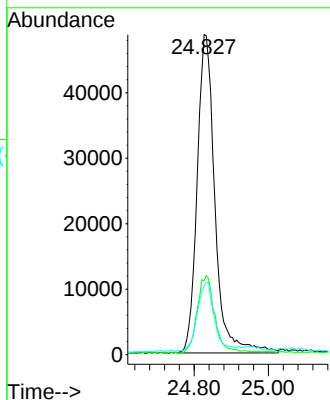
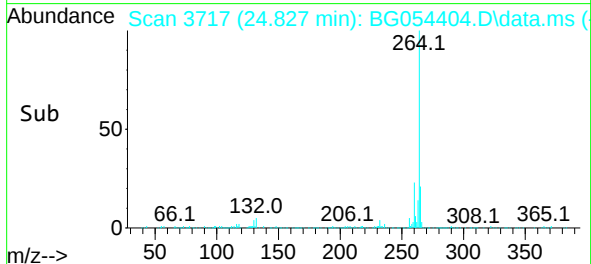
Instrument :
 BNA_G
 ClientSampleId :
 4299E



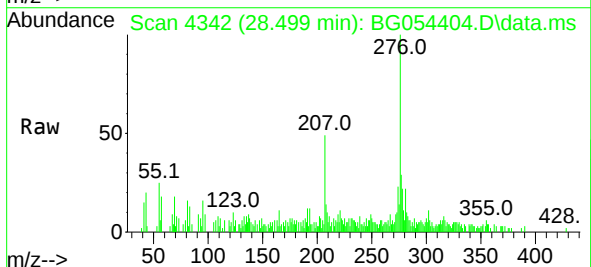
Tgt Ion:264 Resp: 161650
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 21.4 17.4 26.2

Manual Integrations
 APPROVED

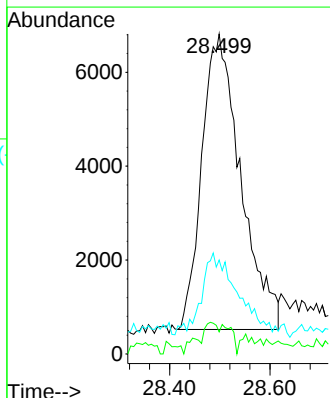
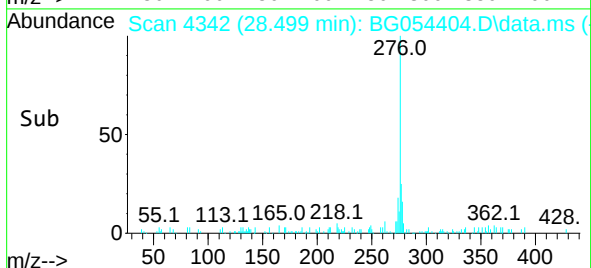
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022

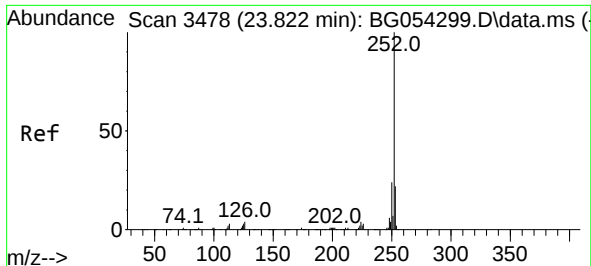


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.753 ng
 RT: 28.499 min Scan# 4342
 Delta R.T. -0.006 min
 Lab File: BG054404.D
 Acq: 26 Jul 2022 19:02



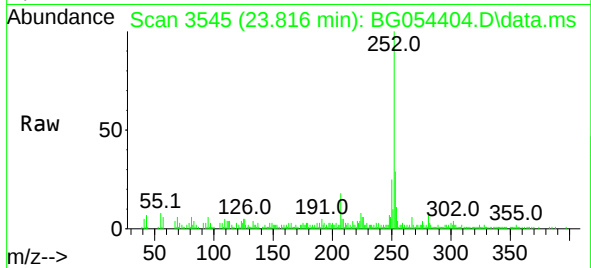
Tgt Ion:276 Resp: 33859
 Ion Ratio Lower Upper
 276 100
 138 2.3 5.0 7.4#
 277 25.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 7.913 ng
RT: 23.816 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

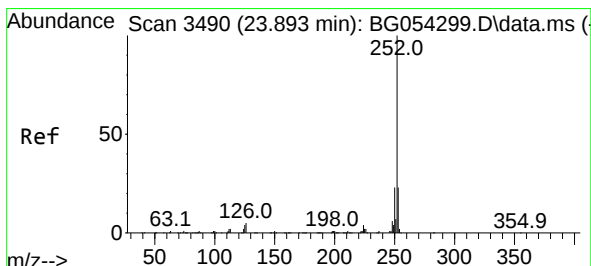
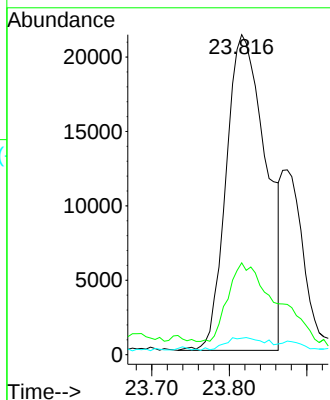
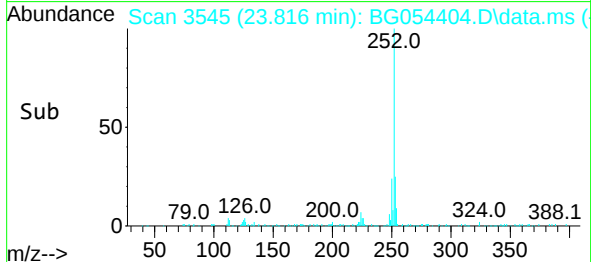
Instrument :
BNA_G
ClientSampleId :
4299E



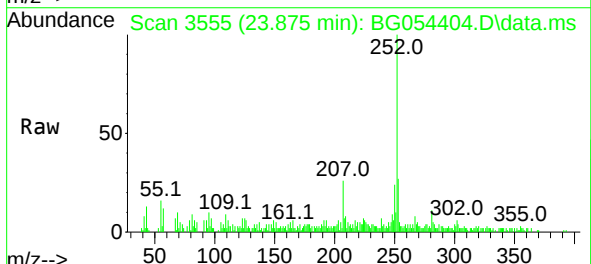
Tgt Ion:252 Resp: 7564
Ion Ratio Lower Upper
252 100
253 28.7 18.0 27.0
125 5.2 4.6 6.8

Manual Integrations
APPROVED

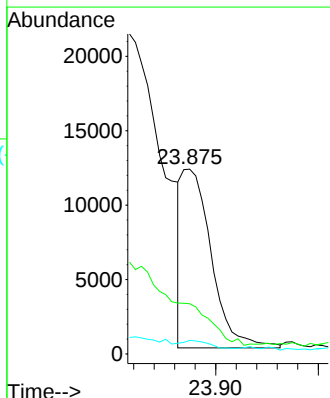
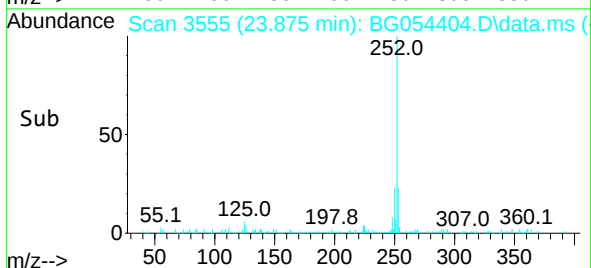
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

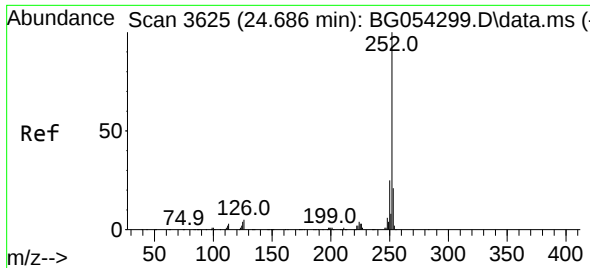


#89
Benzo(k)fluoranthene
Concen: 2.527 ng m
RT: 23.875 min Scan# 3555
Delta R.T. -0.018 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02



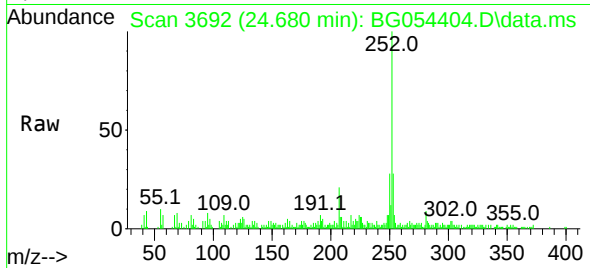
Tgt Ion:252 Resp: 24047
Ion Ratio Lower Upper
252 100
253 27.1 18.4 27.6
125 7.3 4.8 7.2#





#90
Benzo(a)pyrene
Concen: 6.479 ng
RT: 24.680 min Scan# 30
Delta R.T. -0.007 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

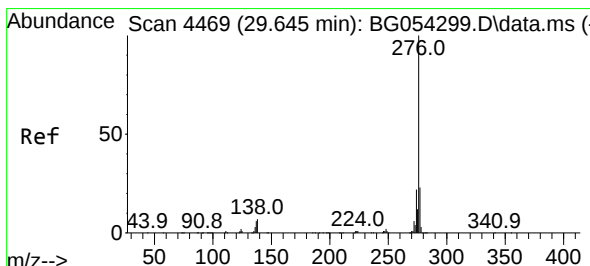
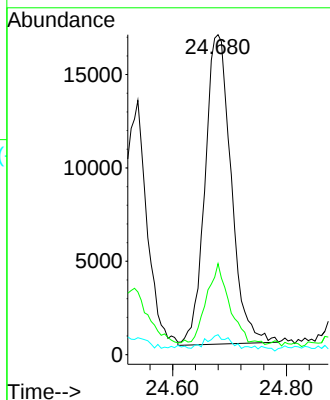
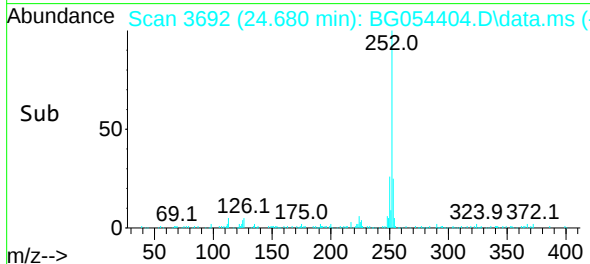
Instrument :
BNA_G
ClientSampleId :
4299E



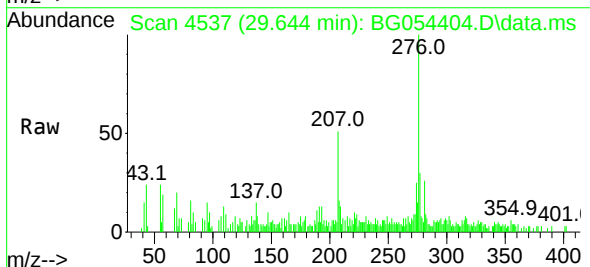
Tgt Ion:252 Resp: 5290
Ion Ratio Lower Upper
252 100
253 28.4 17.8 26.8#
125 6.3 4.3 6.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#92
Benzo(g,h,i)perylene
Concen: 3.526 ng
RT: 29.644 min Scan# 4537
Delta R.T. -0.001 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02



Tgt Ion:276 Resp: 35188
Ion Ratio Lower Upper
276 100
277 30.0 17.3 25.9#
138 7.9 9.6 14.4#

