

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054399.D
 Acq On : 26 Jul 2022 15:31
 Operator : CG/JU
 Sample : N3857-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

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

Quant Time: Jul 27 04:33:33 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	16671	20.000	ng	-0.01
21) Naphthalene-d8	10.796	136	63418	20.000	ng	#-0.01
39) Acenaphthene-d10	14.621	164	51300	20.000	ng	-0.01
64) Phenanthrene-d10	17.371	188	130933	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	143930	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	159177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	66074	82.751	ng	0.00
7) Phenol-d6	7.171	99	92030	84.115	ng	0.00
23) Nitrobenzene-d5	9.151	82	61407	52.730	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	91927	85.346	ng	-0.01
45) 2-Fluorobiphenyl	13.246	172	201551	55.424	ng	-0.01
79) Terphenyl-d14	19.980	244	436357	60.144	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.351	152	24737	5.668	ng	# 96
71) Phenanthrene	17.412	178	336879	51.665	ng	97
72) Anthracene	17.500	178	29037m	4.538	ng	
75) Fluoranthene	19.427	202	556419	62.601	ng	94
78) Pyrene	19.786	202	641841	77.718	ng	96
81) Benzo(a)anthracene	21.613	228	311702	34.116	ng	98
83) Chrysene	21.684	228	302354	35.027	ng	96
84) Bis(2-ethylhexyl)phtha...	21.513	149	23224	6.377	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.511	276	217847	17.990	ng	# 97
88) Benzo(b)fluoranthene	23.822	252	408852	43.432	ng	# 98
89) Benzo(k)fluoranthene	23.887	252	124237m	13.261	ng	
90) Benzo(a)pyrene	24.686	252	285751m	35.545	ng	
91) Dibenzo(a,h)anthracene	28.540	278	60544	6.080	ng	# 90
92) Benzo(g,h,i)perylene	29.657	276	211605	21.532	ng	# 91

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

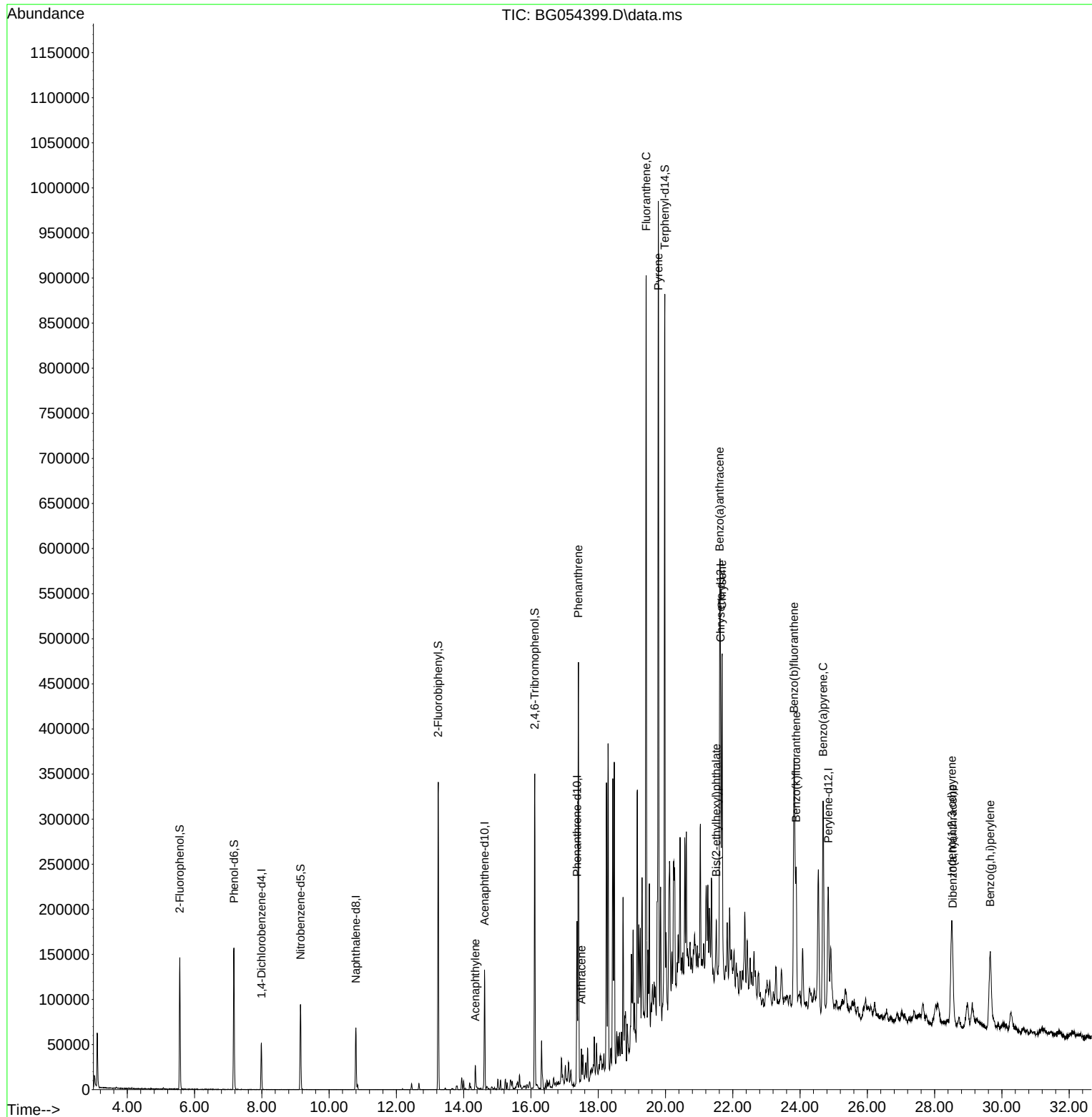
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

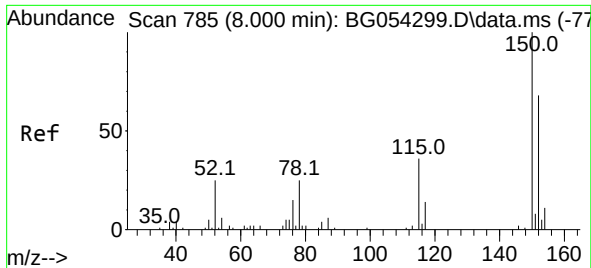
Instrument :
BNA_G
ClientSampleId :
TP-4

Quant Time: Jul 27 04:33:33 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

Manual Integrations
APPROVED

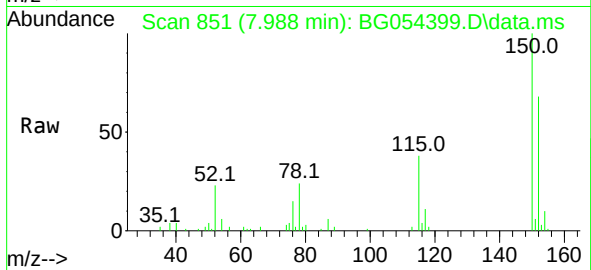
Reviewed By : Christian Giraldo 07/27/2022
Supervised By : Jagrut Upadhyay 07/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

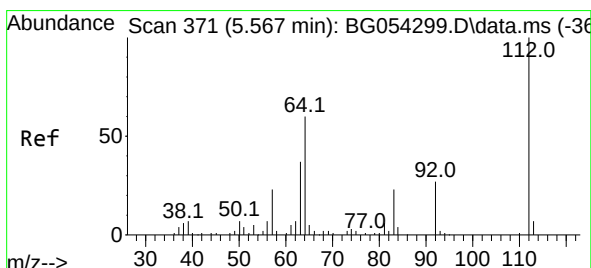
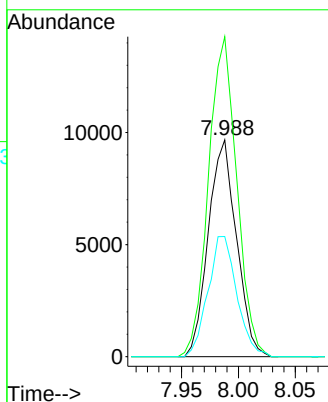
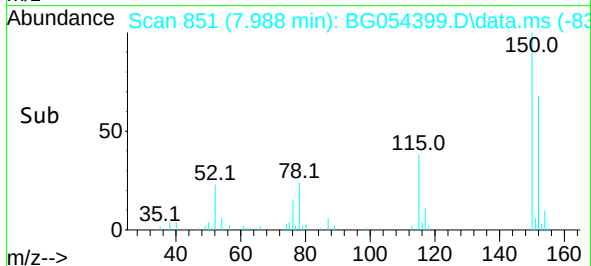
Instrument :
BNA_G
ClientSampleId :
TP-4



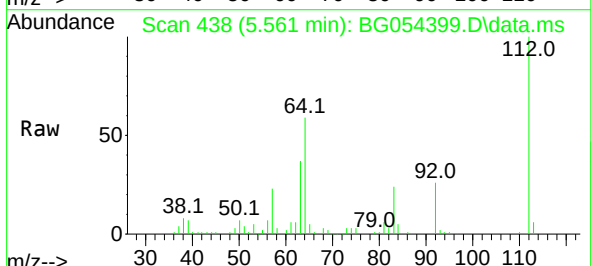
Tgt Ion:152 Resp: 1667
Ion Ratio Lower Upper
152 100
150 147.6 131.6 197.4
115 55.4 50.9 76.3

Manual Integrations
APPROVED

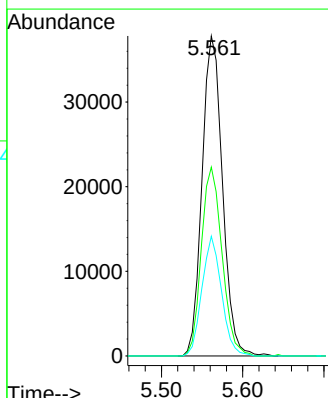
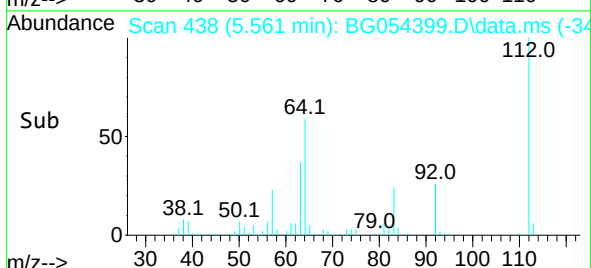
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

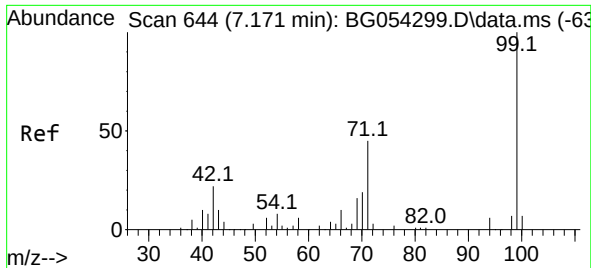


#5
2-Fluorophenol
Concen: 82.751 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31



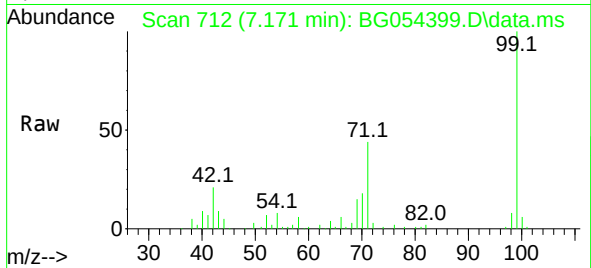
Tgt Ion:112 Resp: 66074
Ion Ratio Lower Upper
112 100
64 59.0 55.1 82.7
63 37.4 30.4 45.6





#7
Phenol-d6
Concen: 84.115 ng
RT: 7.171 min Scan# 71
Delta R.T. -0.000 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

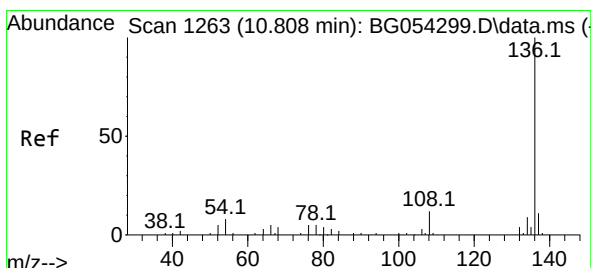
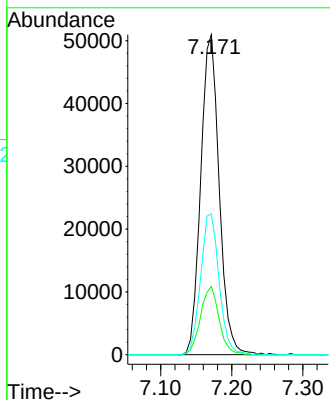
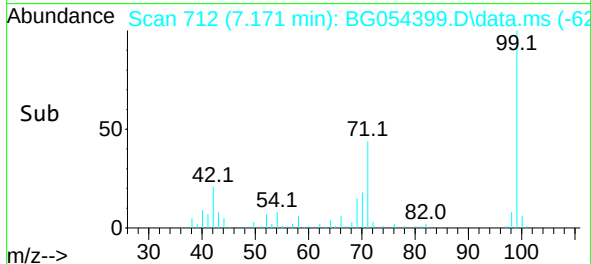
Instrument :
BNA_G
ClientSampleId :
TP-4



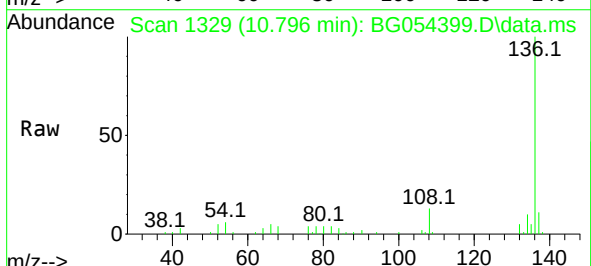
Tgt Ion: 99 Resp: 92030
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 44.0 33.8 50.8

Manual Integrations
APPROVED

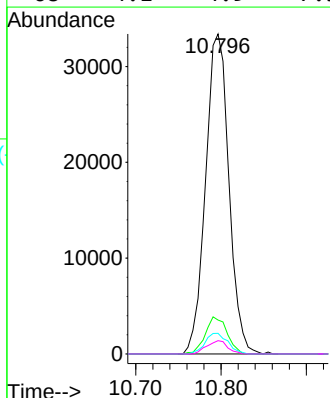
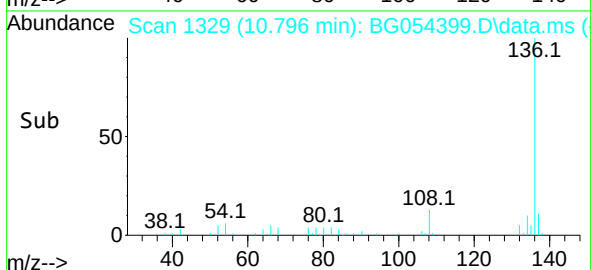
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

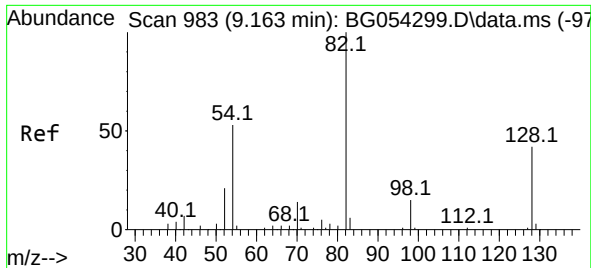


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31



Tgt Ion:136 Resp: 63418
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.5 7.4 11.2#
68 4.1 4.9 7.3#





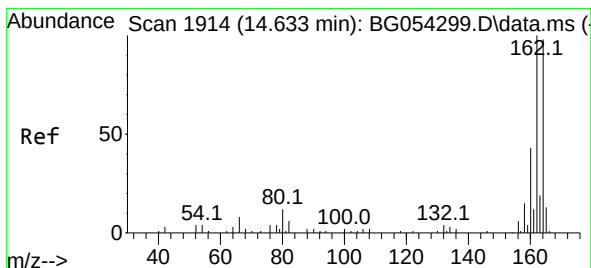
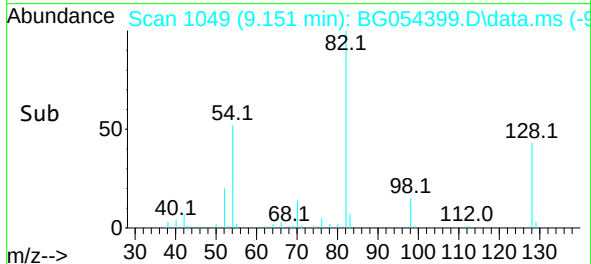
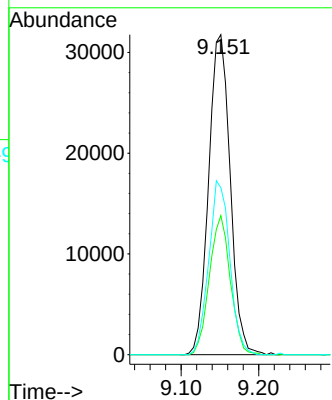
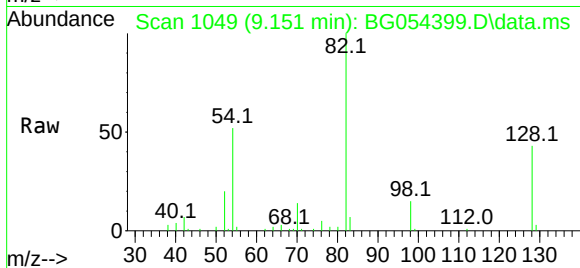
#23
Nitrobenzene-d5
Concen: 52.730 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 6140
Ion Ratio Lower Upper
82 100
128 43.5 27.9 41.9
54 52.2 41.2 61.8

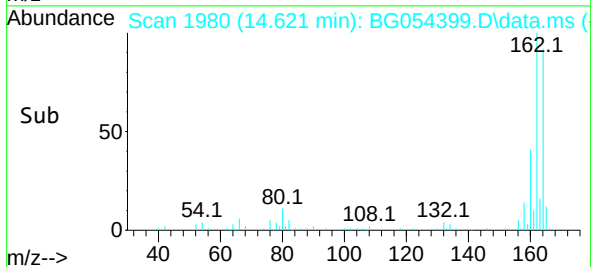
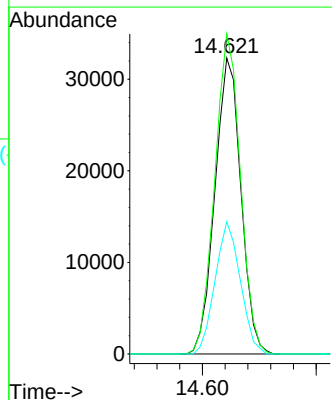
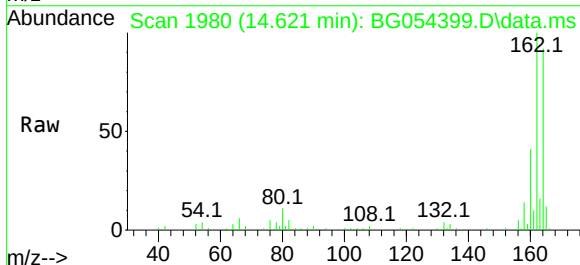
Manual Integrations
APPROVED

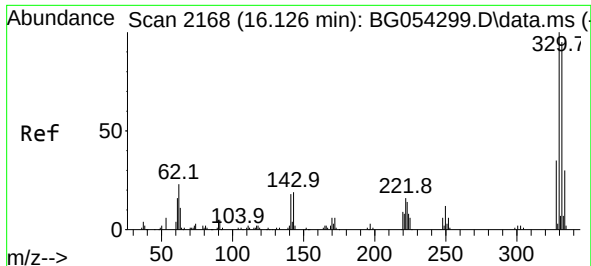
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

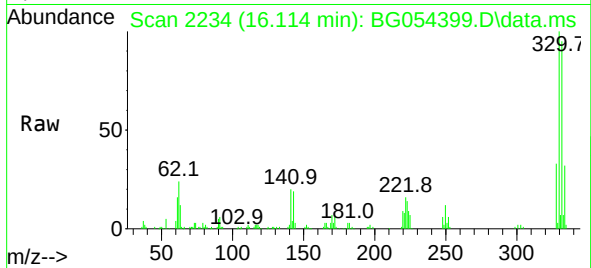
Tgt Ion:164 Resp: 51300
Ion Ratio Lower Upper
164 100
162 108.1 82.3 123.5
160 44.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 85.346 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

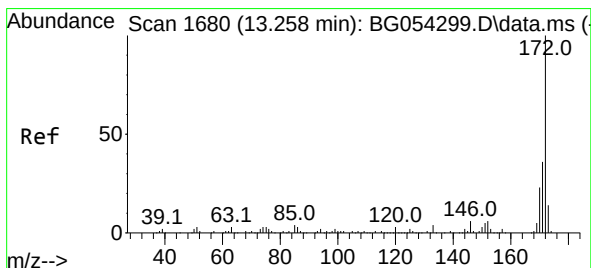
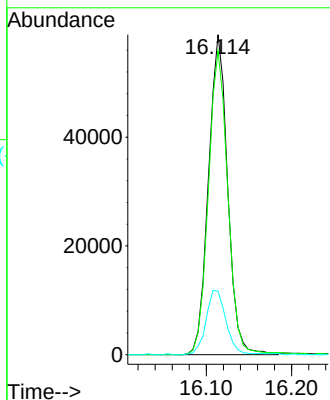
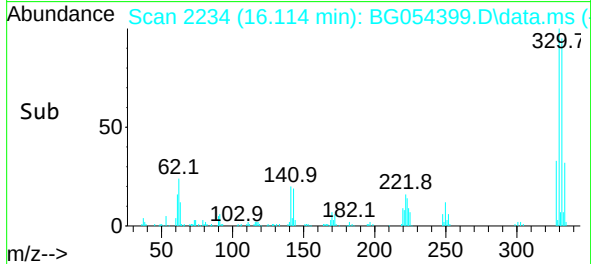
Instrument :
BNA_G
ClientSampleId :
TP-4



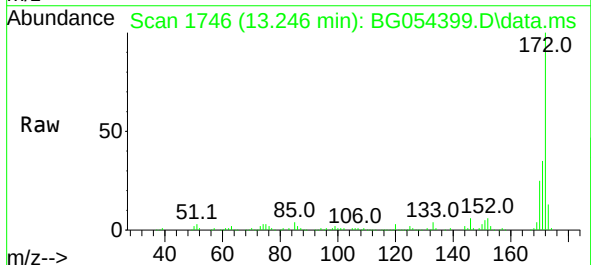
Tgt Ion:330 Resp: 91927
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 21.3 27.1 40.7

Manual Integrations
APPROVED

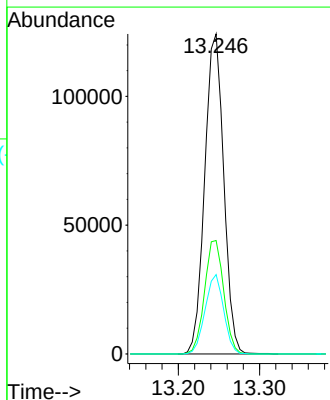
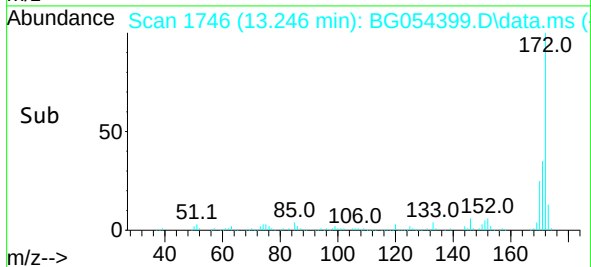
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

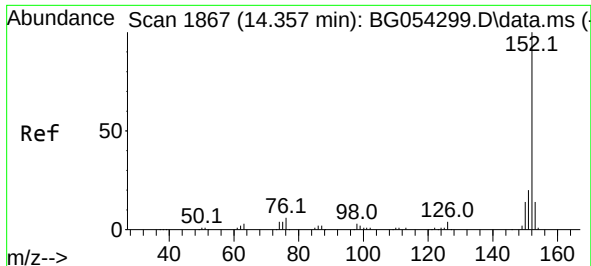


#45
2-Fluorobiphenyl
Concen: 55.424 ng
RT: 13.246 min Scan# 1746
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31



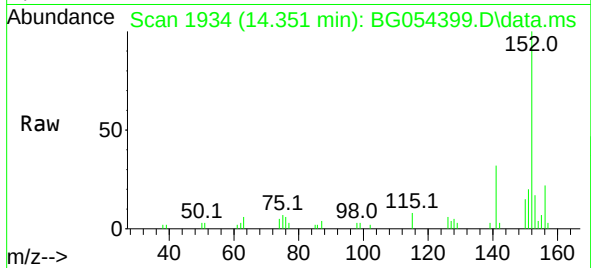
Tgt Ion:172 Resp: 201551
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 24.8 18.9 28.3





#49
Acenaphthylene
Concen: 5.668 ng
RT: 14.351 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

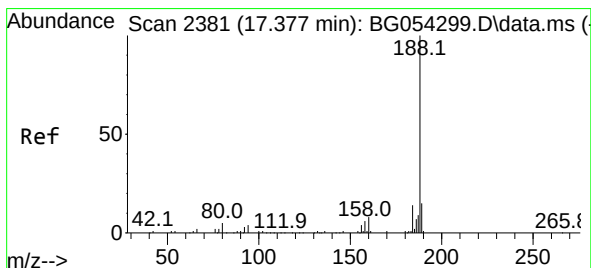
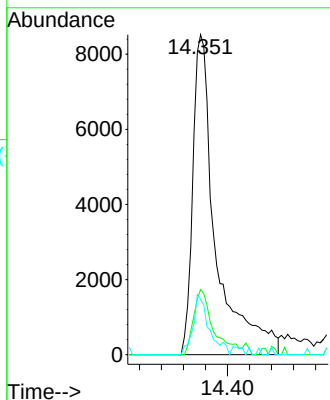
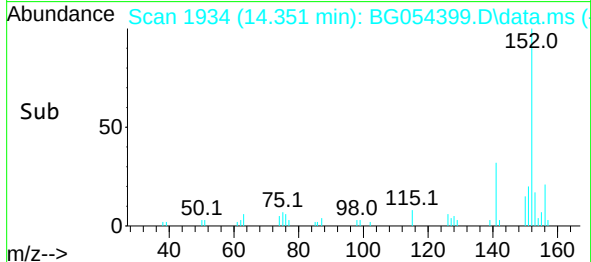
Instrument :
BNA_G
ClientSampleId :
TP-4



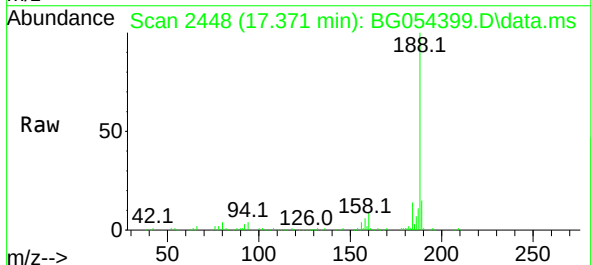
Tgt Ion:152 Resp: 2473
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 17.2 10.8 16.2

Manual Integrations
APPROVED

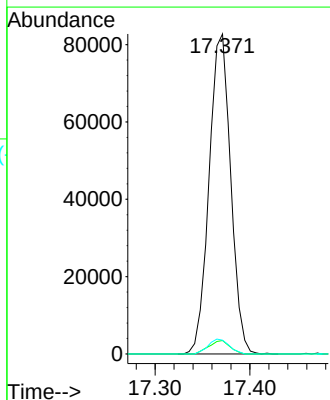
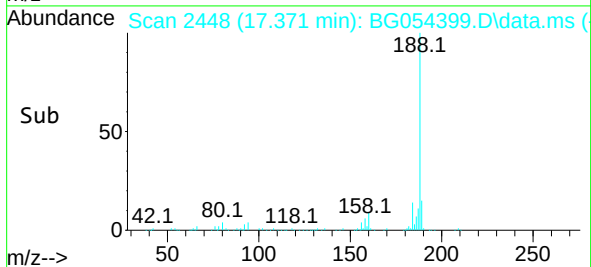
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

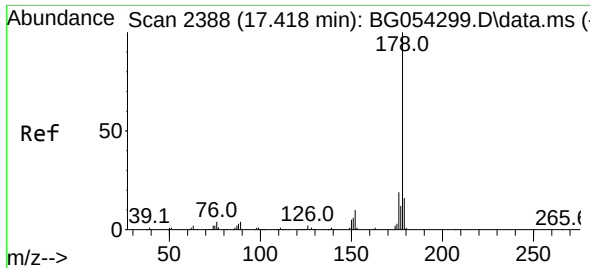


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31



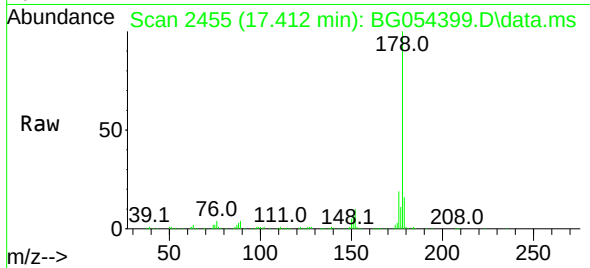
Tgt Ion:188 Resp: 130933
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.3 6.8 10.2#





#71
Phenanthrene
Concen: 51.665 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

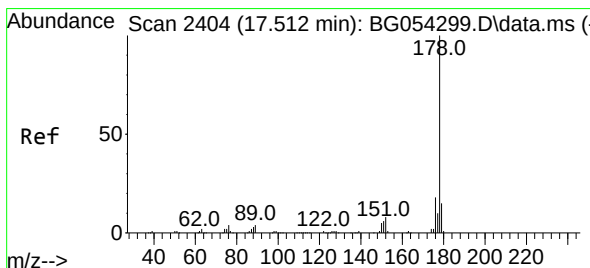
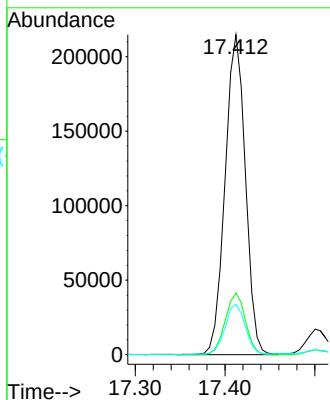
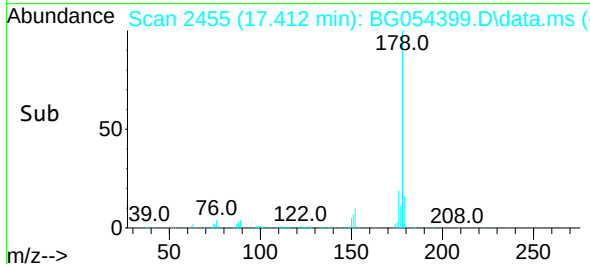
Instrument :
BNA_G
ClientSampleId :
TP-4



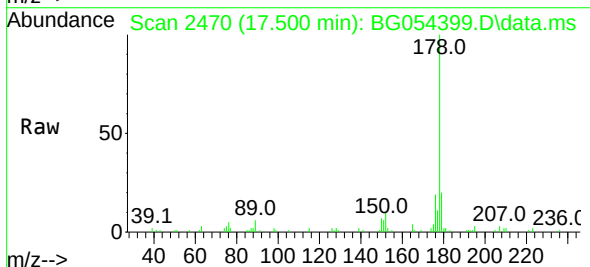
Tgt Ion:178 Resp: 336879
Ion Ratio Lower Upper
178 100
176 19.2 14.1 21.1
179 15.8 12.1 18.1

Manual Integrations
APPROVED

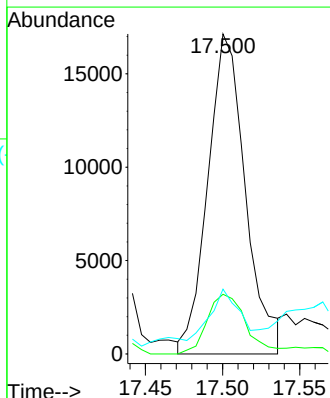
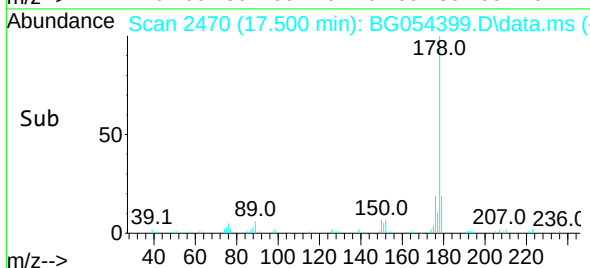
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

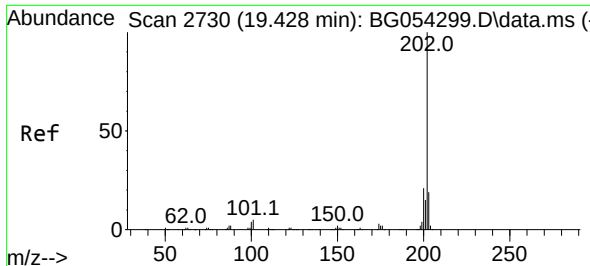


#72
Anthracene
Concen: 4.538 ng m
RT: 17.500 min Scan# 2470
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31



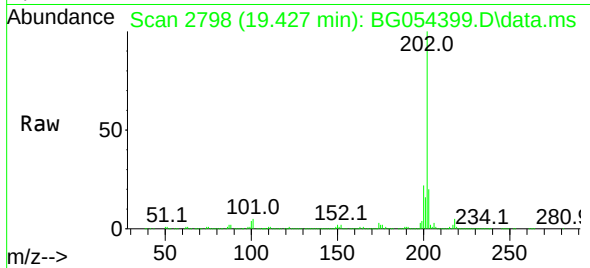
Tgt Ion:178 Resp: 29037
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 20.3 13.0 19.4#





#75
Fluoranthene
Concen: 62.601 ng
RT: 19.427 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

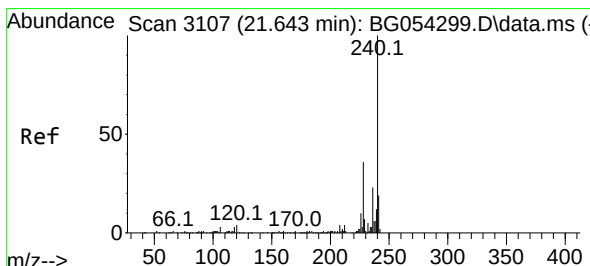
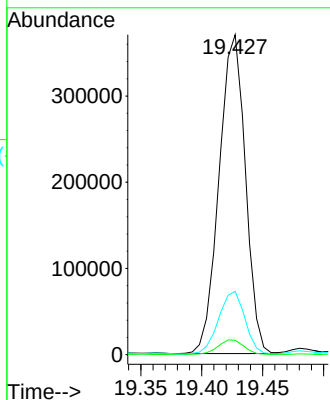
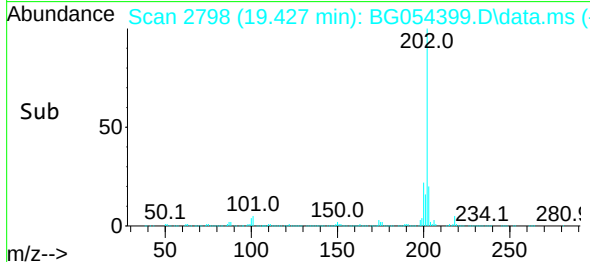
Instrument :
BNA_G
ClientSampleId :
TP-4



Tgt Ion:202 Resp: 556419
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 19.7 0.0 37.2

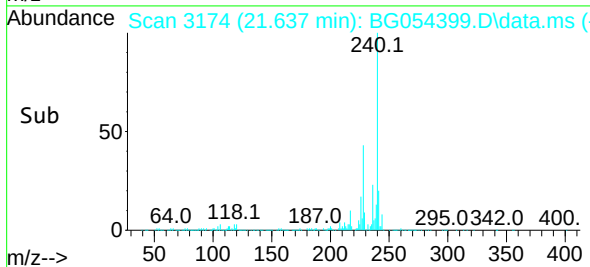
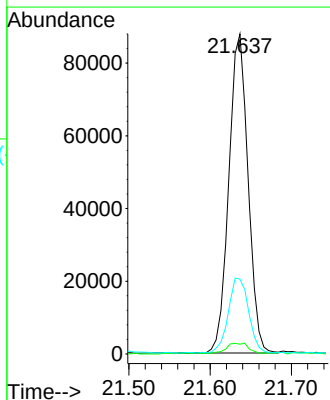
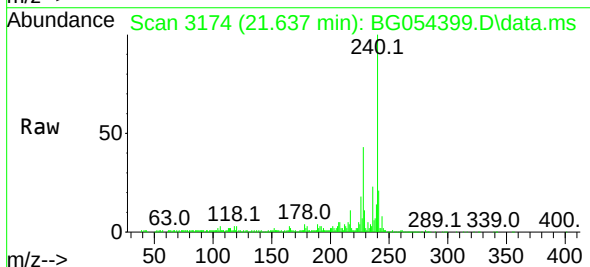
Manual Integrations
APPROVED

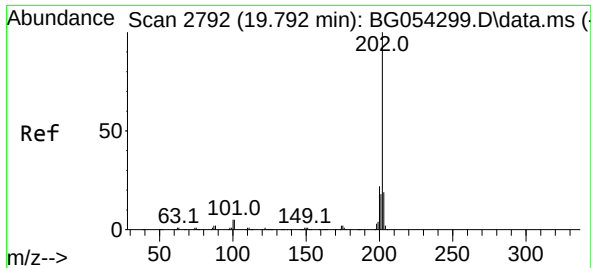
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:240 Resp: 143930
Ion Ratio Lower Upper
240 100
120 3.1 4.6 7.0#
236 23.4 20.2 30.4





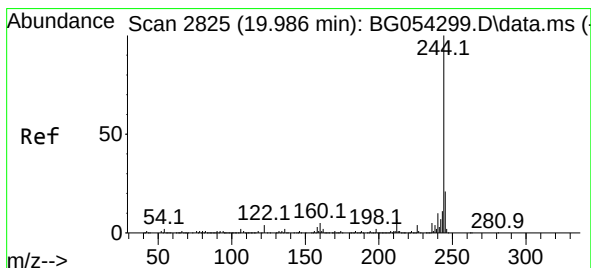
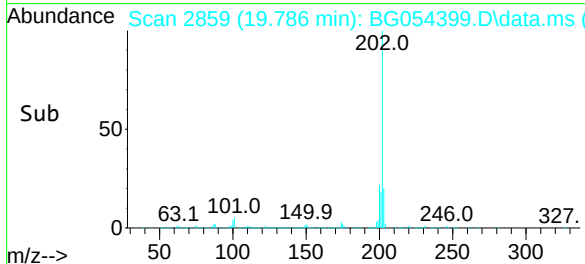
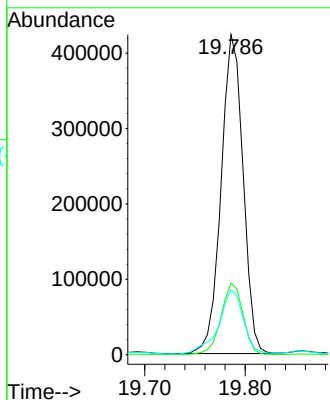
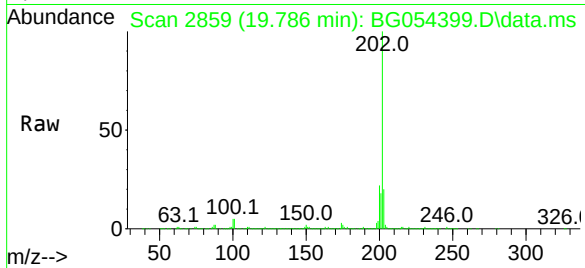
#78
Pyrene
Concen: 77.718 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:202 Resp: 64184
Ion Ratio Lower Upper
202 100
200 22.4 16.6 24.8
203 20.2 14.6 21.8

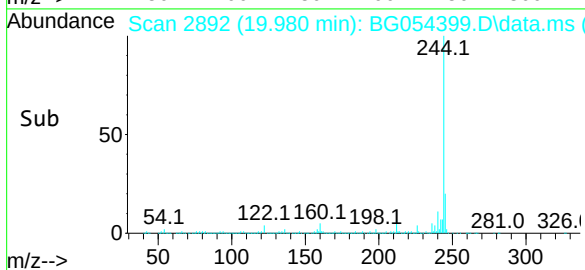
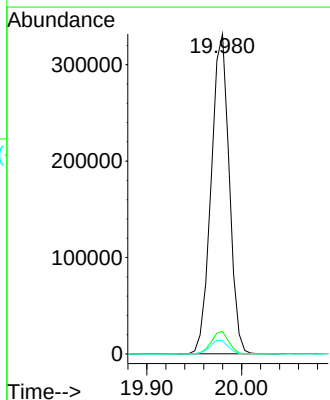
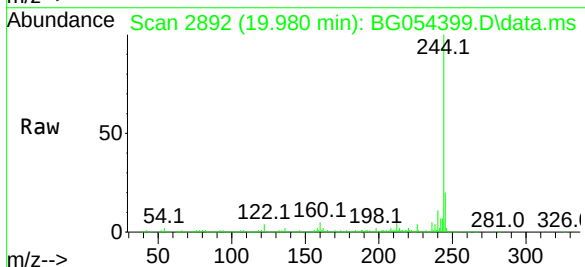
Manual Integrations
APPROVED

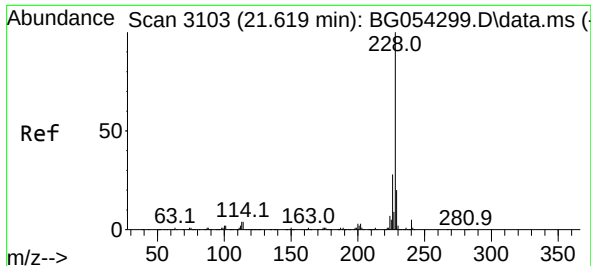
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#79
Terphenyl-d14
Concen: 60.144 ng
RT: 19.980 min Scan# 2892
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

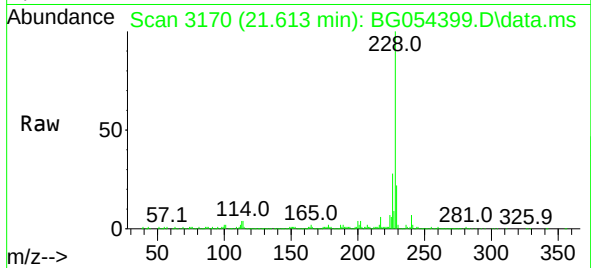
Tgt Ion:244 Resp: 436357
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 4.1 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 34.116 ng
RT: 21.613 min Scan# 31170
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

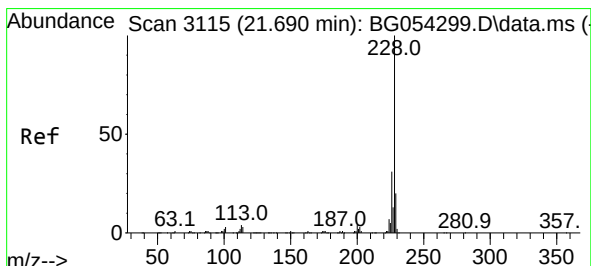
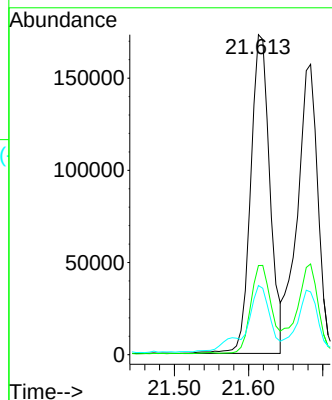
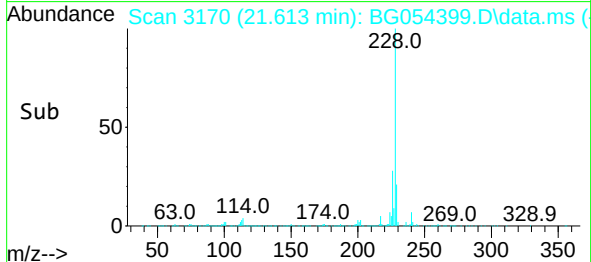
Instrument :
BNA_G
ClientSampleId :
TP-4



Tgt Ion:228 Resp: 31170
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 21.6 16.2 24.2

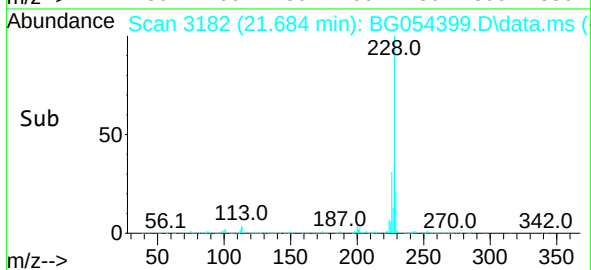
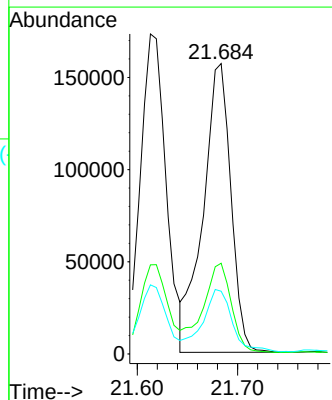
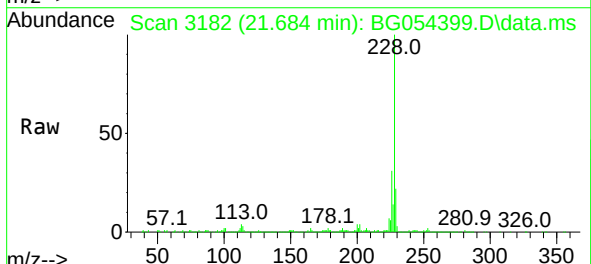
Manual Integrations
APPROVED

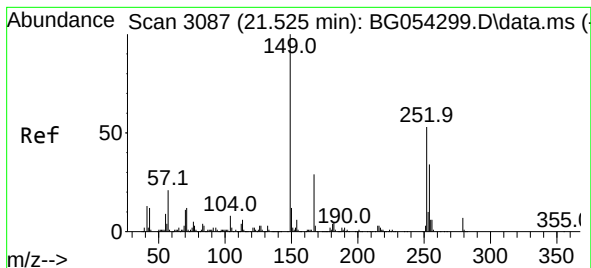
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#83
Chrysene
Concen: 35.027 ng
RT: 21.684 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:228 Resp: 302354
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 21.6 15.5 23.3





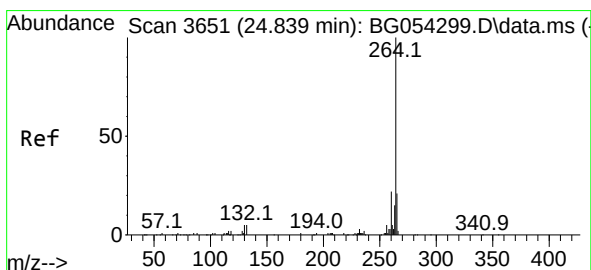
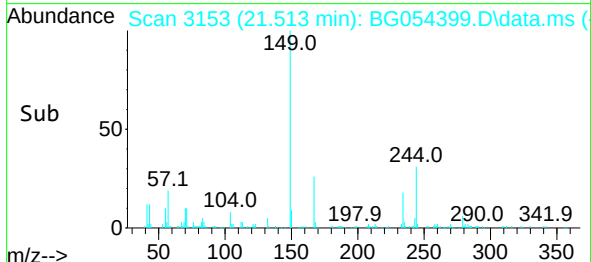
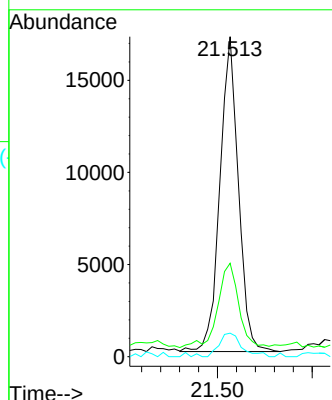
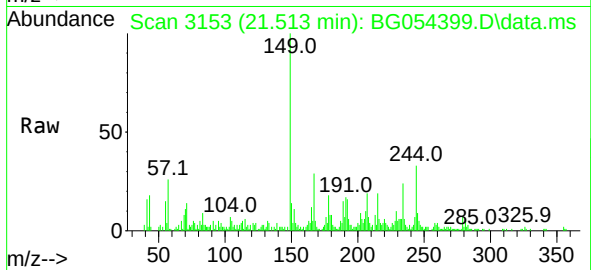
#84
Bis(2-ethylhexyl)phthalate
Concen: 6.377 ng
RT: 21.513 min Scan# 3153
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:149 Resp: 23224
Ion Ratio Lower Upper
149 100
167 29.2 20.2 30.4
279 7.3 3.6 5.4

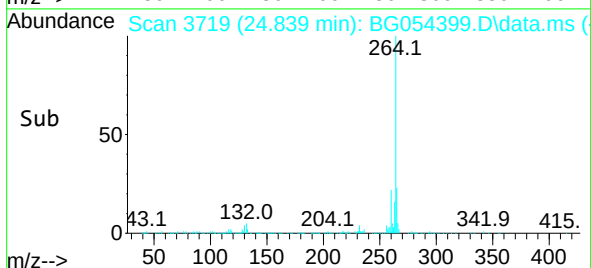
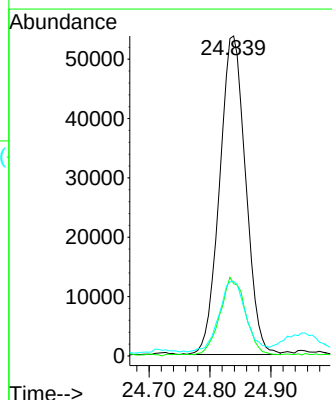
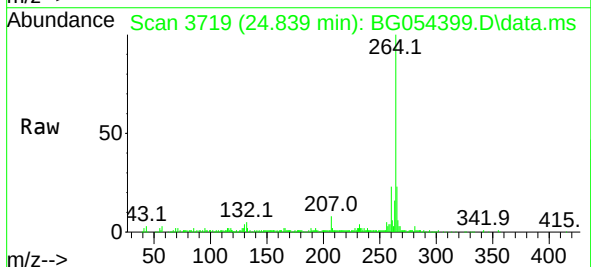
Manual Integrations
APPROVED

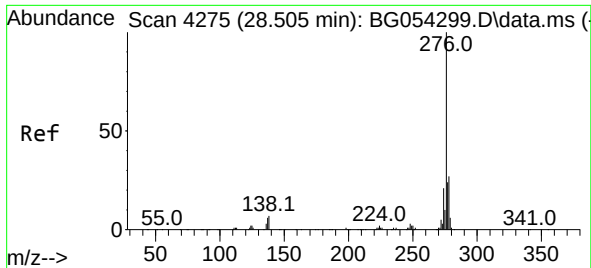
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.839 min Scan# 3719
Delta R.T. -0.000 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

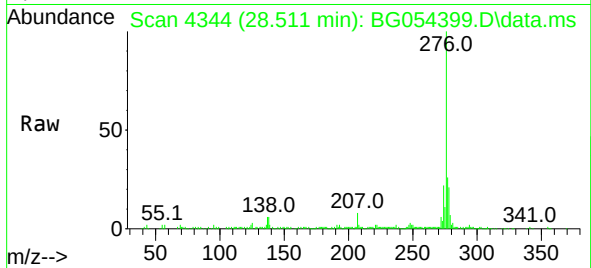
Tgt Ion:264 Resp: 159177
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.6
265 23.4 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 17.990 ng
 RT: 28.511 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BG054399.D
 Acq: 26 Jul 2022 15:31

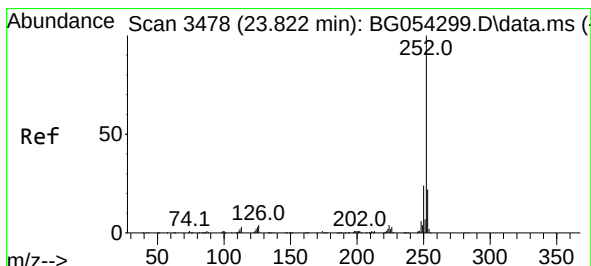
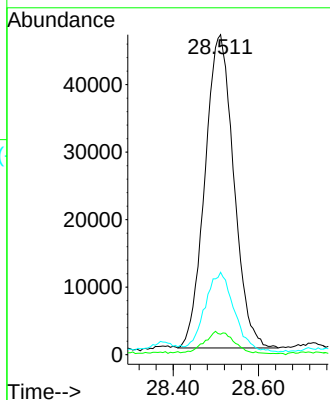
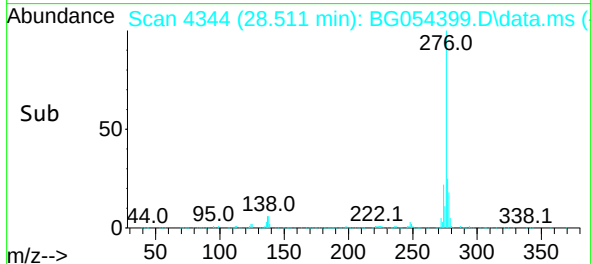
Instrument :
 BNA_G
 ClientSampleId :
 TP-4



Tgt Ion:276 Resp: 21784
 Ion Ratio Lower Upper
 276 100
 138 3.5 5.0 7.4
 277 26.1 20.3 30.5

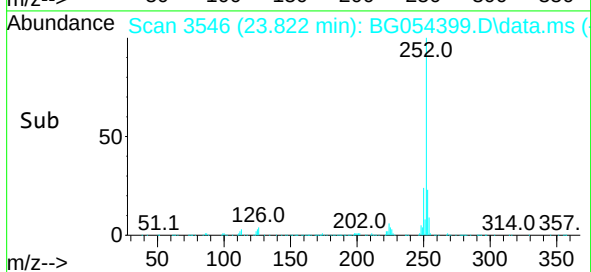
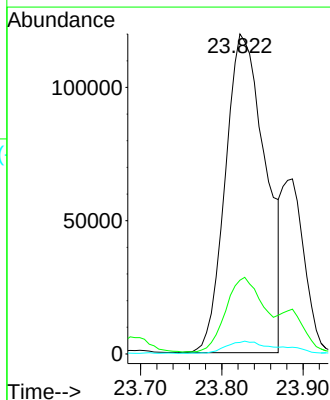
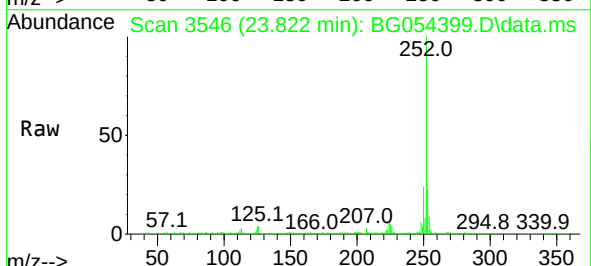
Manual Integrations
 APPROVED

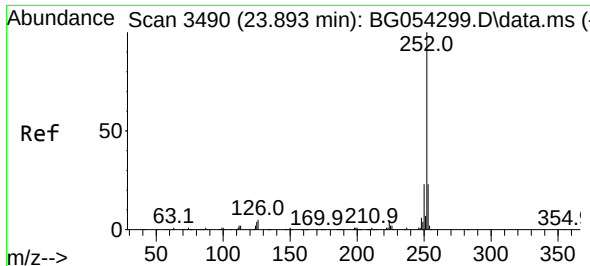
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022



#88
 Benzo(b)fluoranthene
 Concen: 43.432 ng
 RT: 23.822 min Scan# 3546
 Delta R.T. -0.000 min
 Lab File: BG054399.D
 Acq: 26 Jul 2022 15:31

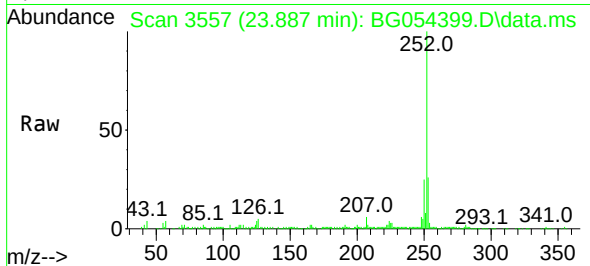
Tgt Ion:252 Resp: 408852
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.0 27.0
 125 3.6 4.6 6.8#





#89
Benzo(k)fluoranthene
Concen: 13.261 ng m
RT: 23.887 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

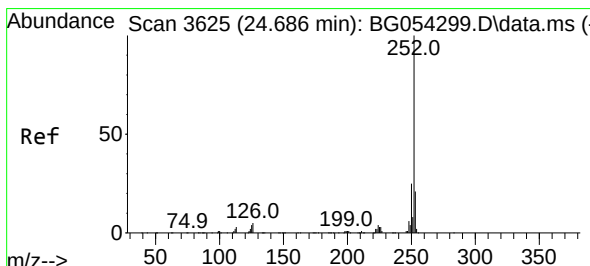
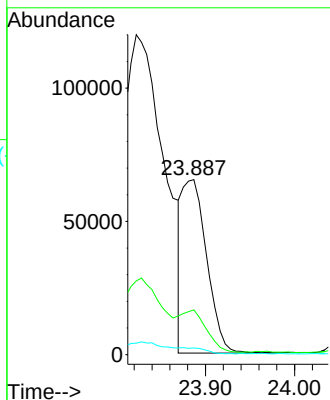
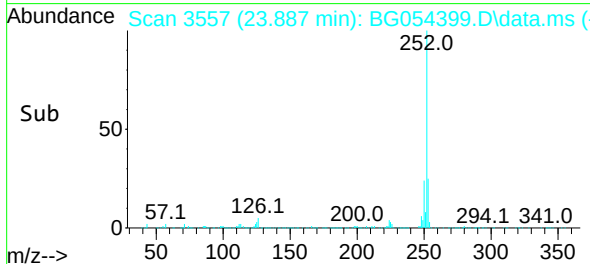
Instrument :
BNA_G
ClientSampleId :
TP-4



Tgt Ion:252 Resp: 12423
Ion Ratio Lower Upper
252 100
253 25.6 18.4 27.6
125 3.8 4.8 7.2

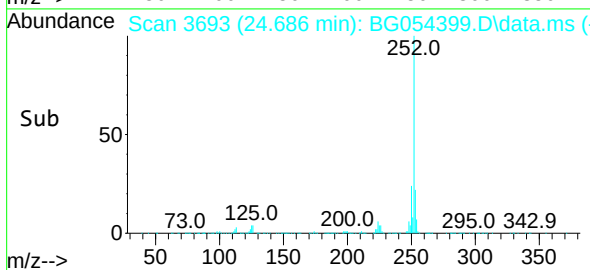
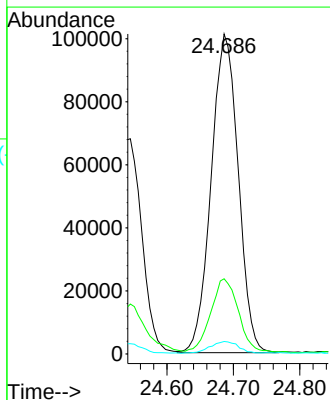
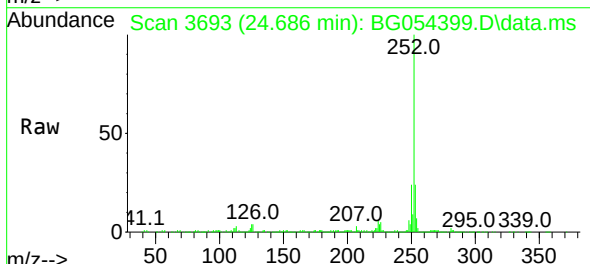
Manual Integrations
APPROVED

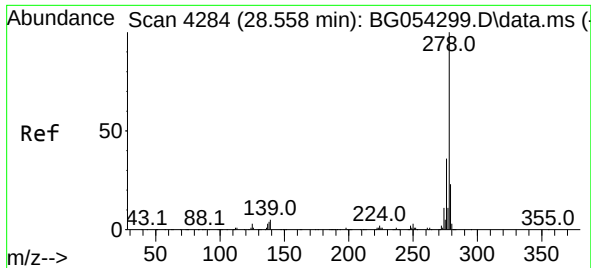
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#90
Benzo(a)pyrene
Concen: 35.545 ng m
RT: 24.686 min Scan# 3693
Delta R.T. -0.000 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

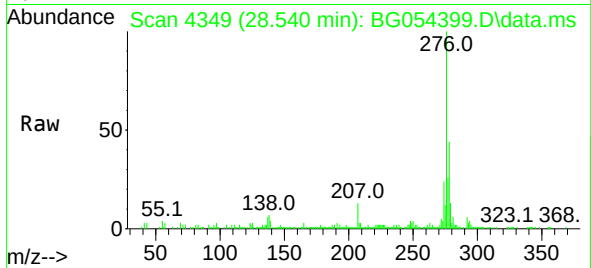
Tgt Ion:252 Resp: 285751
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 3.9 4.3 6.5





#91
 Dibenzo(a,h)anthracene
 Concen: 6.080 ng
 RT: 28.540 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BG054399.D
 Acq: 26 Jul 2022 15:31

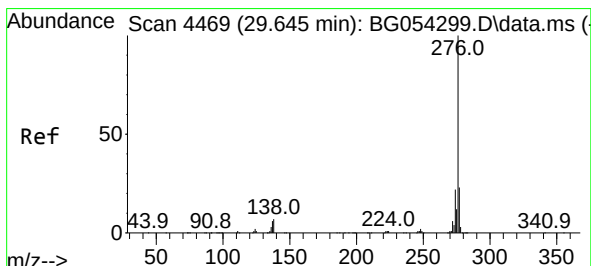
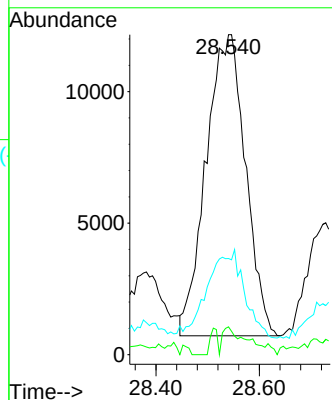
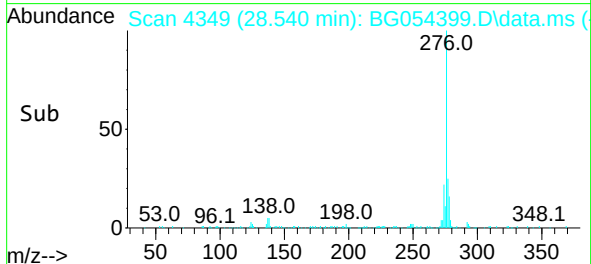
Instrument :
 BNA_G
 ClientSampleId :
 TP-4



Tgt Ion:278 Resp: 6054
 Ion Ratio Lower Upper
 278 100
 139 8.7 7.2 10.8
 279 30.0 18.6 27.8

Manual Integrations
 APPROVED

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



#92
 Benzo(g,h,i)perylene
 Concen: 21.532 ng
 RT: 29.657 min Scan# 4539
 Delta R.T. 0.012 min
 Lab File: BG054399.D
 Acq: 26 Jul 2022 15:31

Tgt Ion:276 Resp: 211605
 Ion Ratio Lower Upper
 276 100
 277 24.3 17.3 25.9
 138 6.6 9.6 14.4

