

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054553.D
 Acq On : 8 Aug 2022 14:45
 Operator : CG/JU
 Sample : N4063-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5E

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 08 15:54:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	20598	20.000	ng	0.00
21) Naphthalene-d8	10.791	136	81793	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	59770	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	140553	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	160238	20.000	ng	# 0.00
86) Perylene-d12	24.856	264	176668	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	125574	127.286	ng	0.00
7) Phenol-d6	7.183	99	169964	125.730	ng	0.00
23) Nitrobenzene-d5	9.145	82	115354	76.802	ng	0.00
42) 2,4,6-Tribromophenol	16.120	330	133086	106.049	ng	0.00
45) 2-Fluorobiphenyl	13.241	172	333364	78.681	ng	0.00
79) Terphenyl-d14	19.980	244	622064	77.014	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.345	152	178977	35.198	ng	99
58) Fluorene	15.691	166	11418	2.535	ng	# 42
72) Anthracene	17.506	178	55200	8.036	ng	99
75) Fluoranthene	19.427	202	40608	4.256	ng	91
78) Pyrene	19.792	202	752012	81.791	ng	96
81) Benzo(a)anthracene	21.619	228	114409	11.248	ng	# 80
83) Chrysene	21.660	228	269229	28.016	ng	# 70
87) Indeno(1,2,3-cd)pyrene	28.564	276	418620	31.147	ng	# 97
88) Benzo(b)fluoranthene	23.846	252	604821m	57.889	ng	
89) Benzo(k)fluoranthene	23.899	252	177311m	17.052	ng	
90) Benzo(a)pyrene	24.721	252	695684m	77.969	ng	
91) Dibenzo(a,h)anthracene	28.581	278	109219	9.883	ng	97
92) Benzo(g,h,i)perylene	29.721	276	465464	42.674	ng	# 93

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

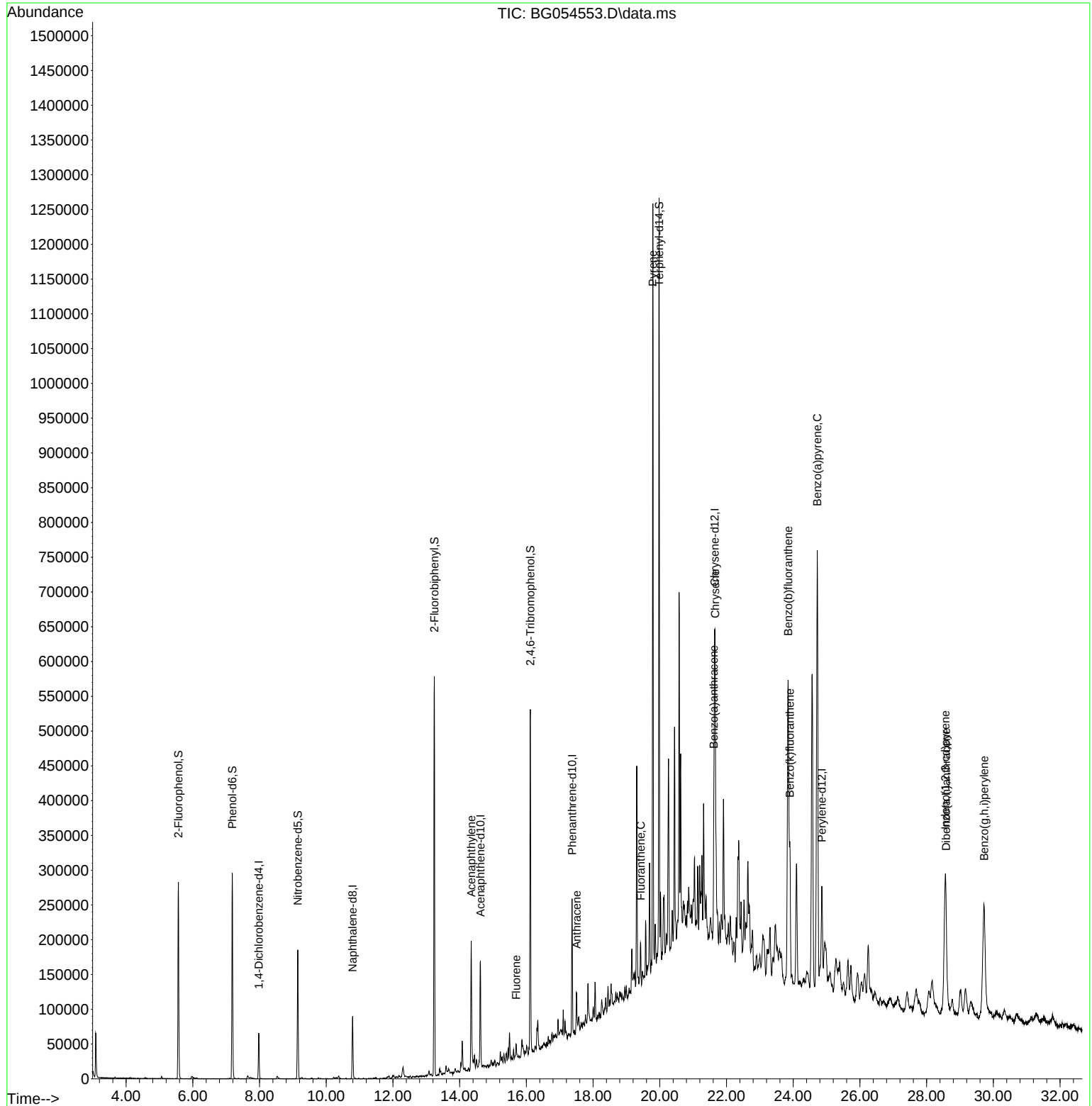
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054553.D
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ALS Vial : 8 Sample Multiplier: 1

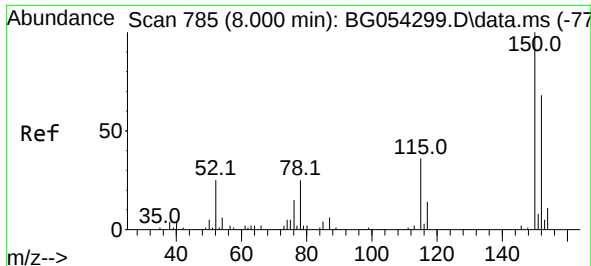
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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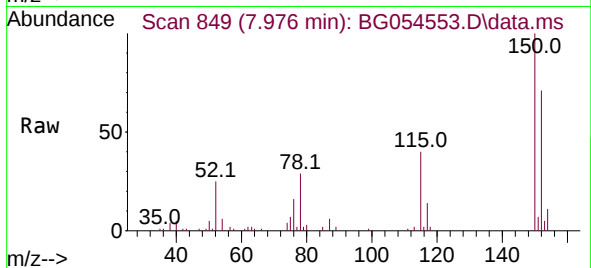
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

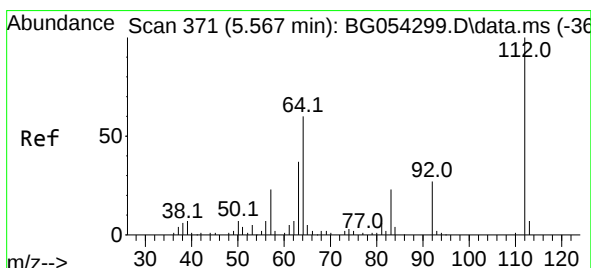
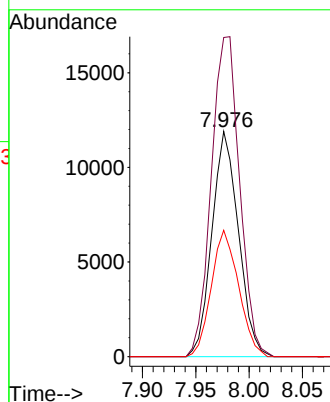
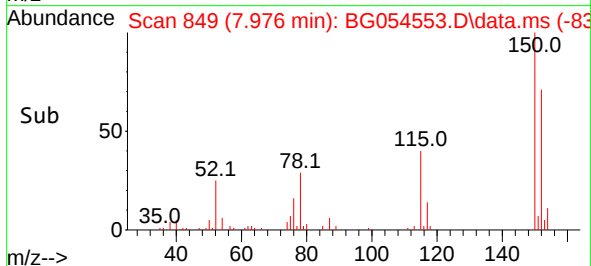
Instrument :
BNA_G
ClientSampleId :
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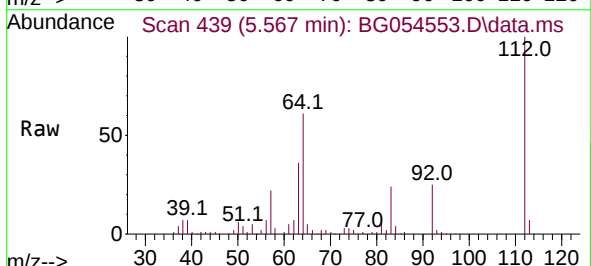
Tgt Ion:152 Resp: 20598
Ion Ratio Lower Upper
152 100
150 141.7 131.6 197.4
115 56.1 50.9 76.3

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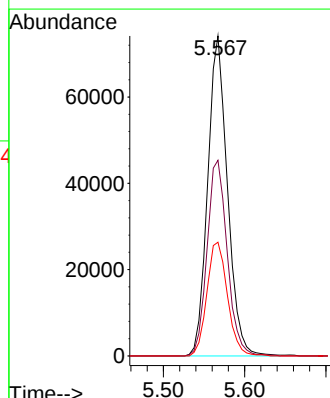
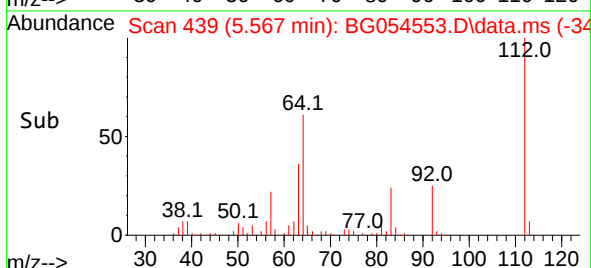
Reviewed By :Christian Giraldo 08/09/2022
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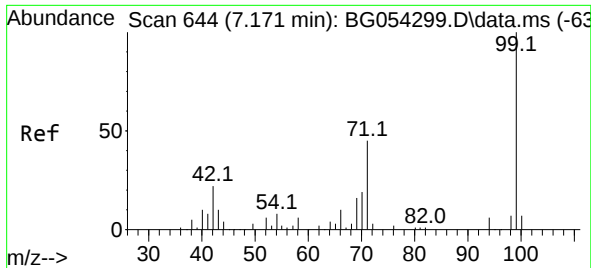


#5
2-Fluorophenol
Concen: 127.286 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



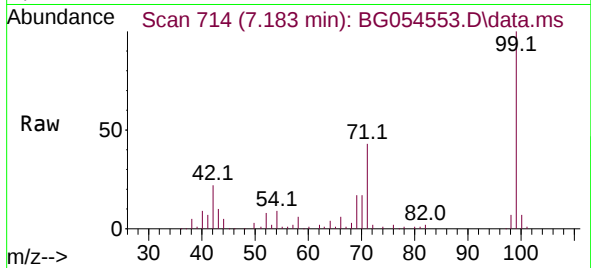
Tgt Ion:112 Resp: 125574
Ion Ratio Lower Upper
112 100
64 61.1 55.1 82.7
63 35.5 30.4 45.6





#7
Phenol-d6
Concen: 125.730 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

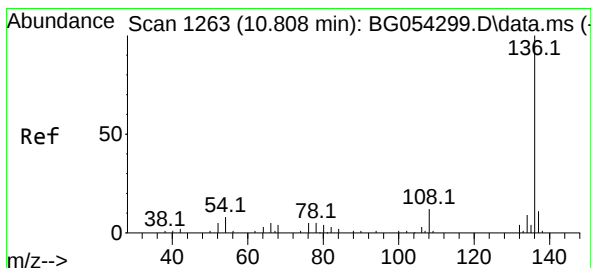
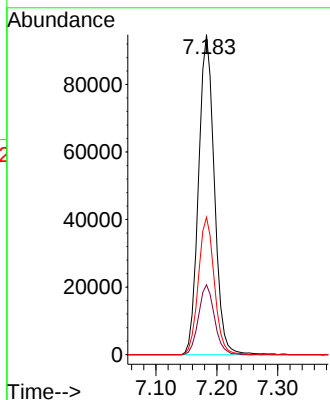
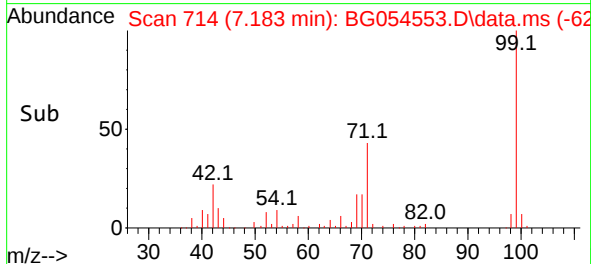
Instrument :
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ClientSampleId :
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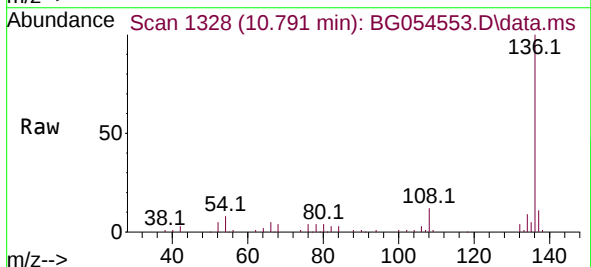
Tgt Ion: 99 Resp: 169964
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 42.9 33.8 50.8

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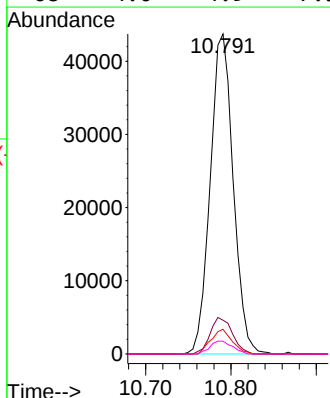
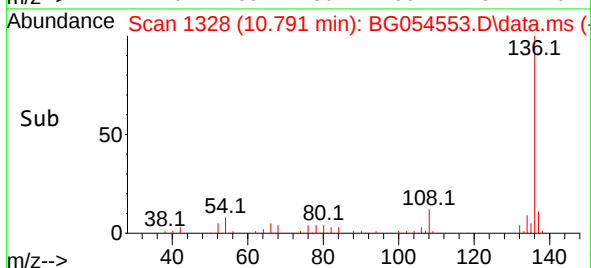
Reviewed By :Christian Giraldo 08/09/2022
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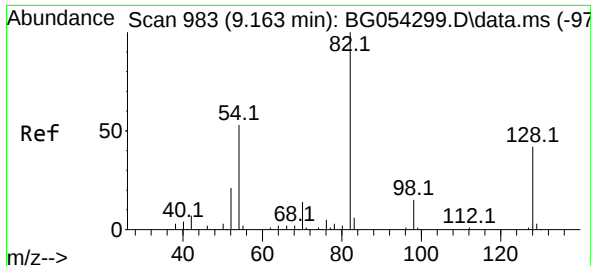


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.791 min Scan# 1328
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



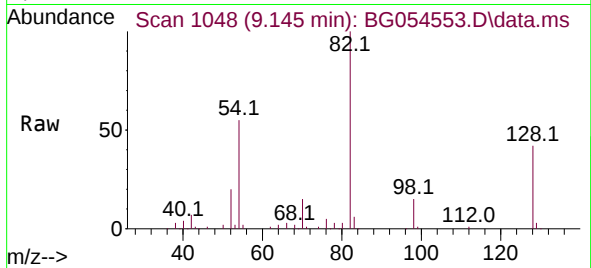
Tgt Ion:136 Resp: 81793
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 7.7 7.4 11.2
68 4.0 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 76.802 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

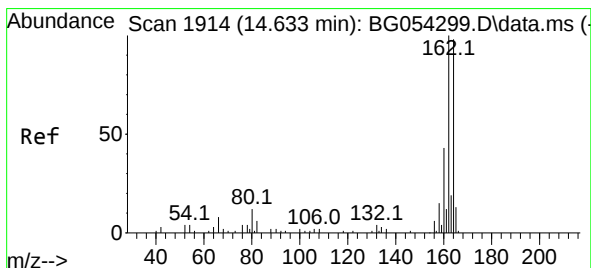
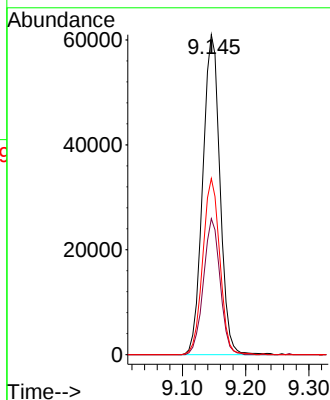
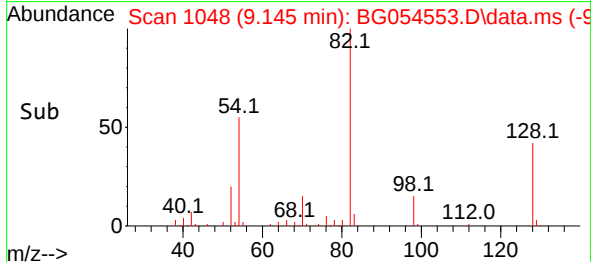
Instrument :
BNA_G
ClientSampleId :
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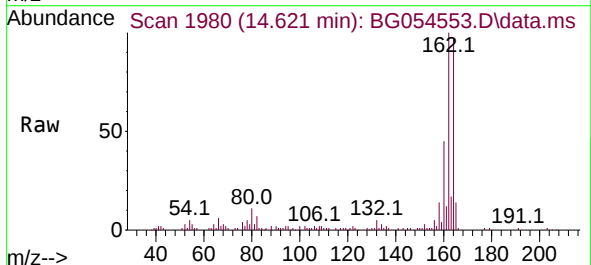
Tgt Ion: 82 Resp: 115354
Ion Ratio Lower Upper
82 100
128 42.5 27.9 41.9
54 55.0 41.2 61.8

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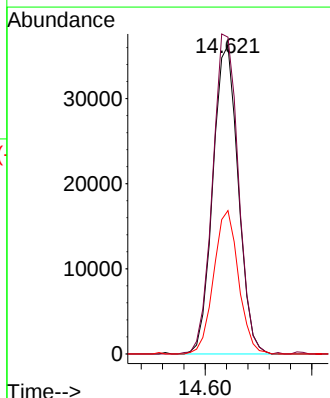
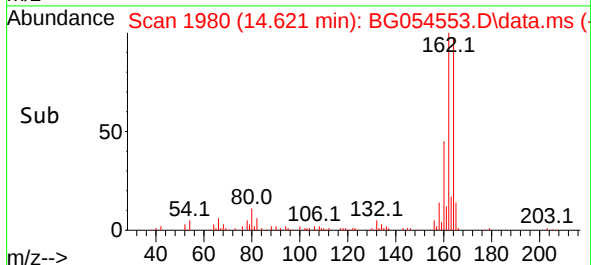
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

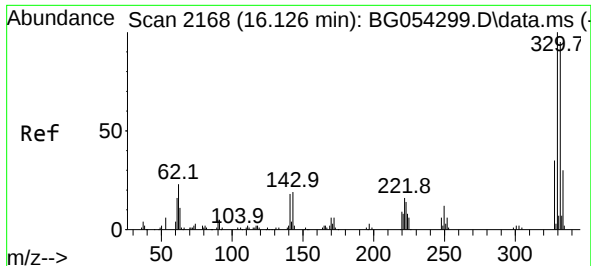


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



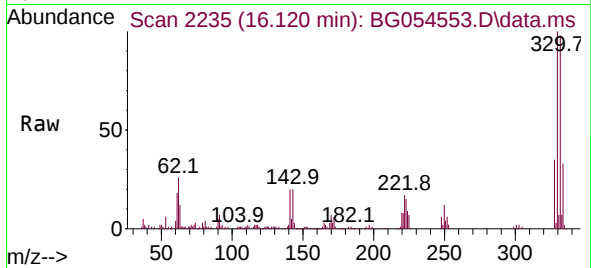
Tgt Ion:164 Resp: 59770
Ion Ratio Lower Upper
164 100
162 102.7 82.3 123.5
160 46.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 106.049 ng
RT: 16.120 min Scan# 2168
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

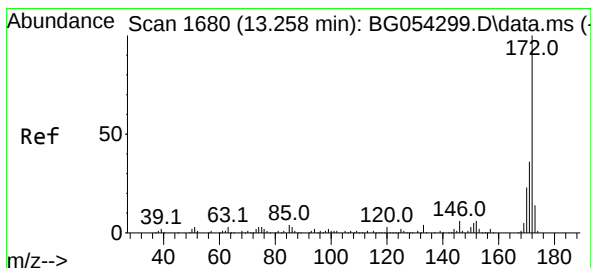
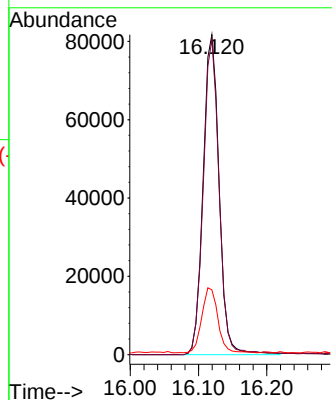
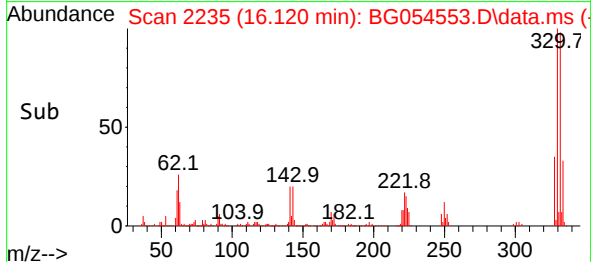
Instrument :
BNA_G
ClientSampleId :
P-5E



Tgt Ion:330 Resp: 133086
Ion Ratio Lower Upper
330 100
332 98.1 76.0 114.0
141 20.3 27.1 40.7

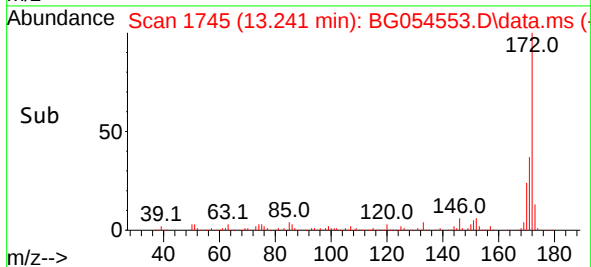
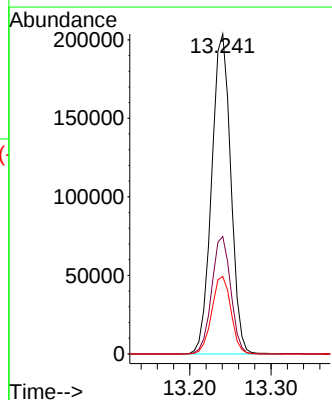
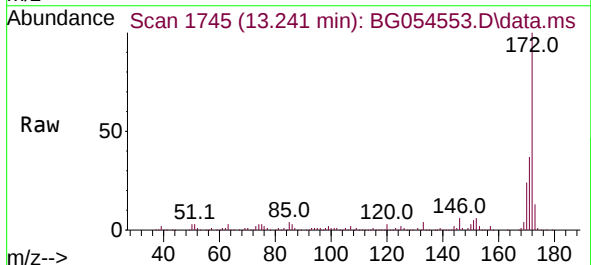
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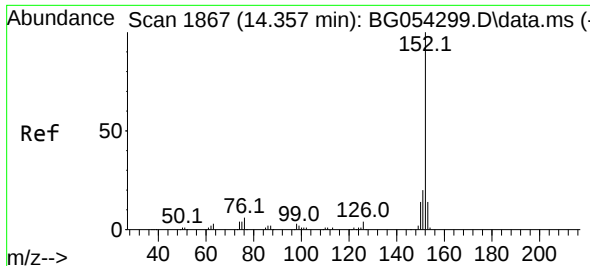
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#45
2-Fluorobiphenyl
Concen: 78.681 ng
RT: 13.241 min Scan# 1745
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

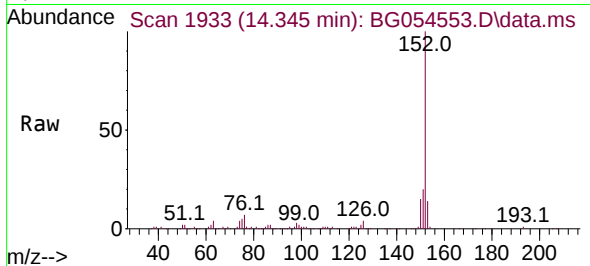
Tgt Ion:172 Resp: 333364
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 24.2 18.9 28.3





#49
Acenaphthylene
Concen: 35.198 ng
RT: 14.345 min Scan# 1933
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

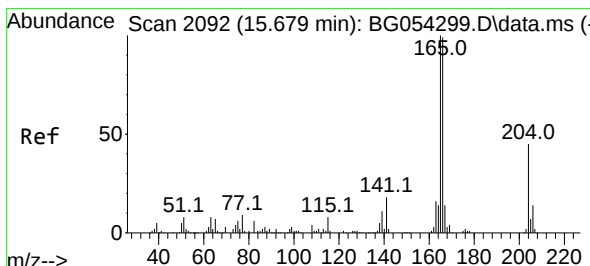
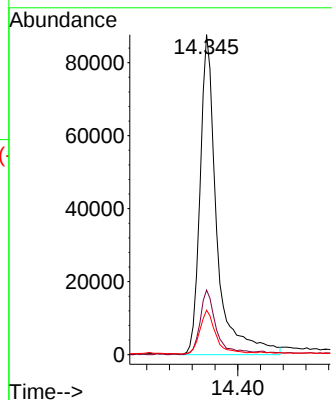
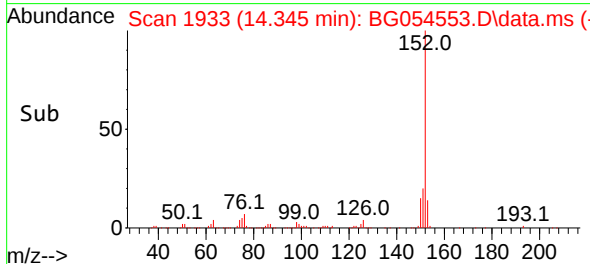
Instrument :
BNA_G
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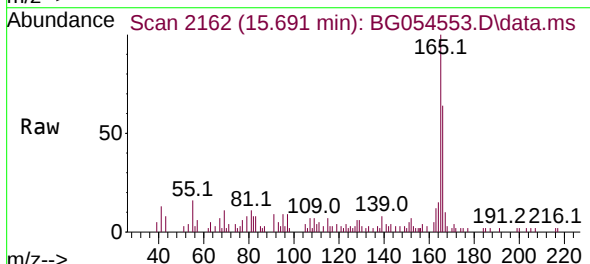
Tgt Ion:152 Resp: 178972
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.9 10.8 16.2

Manual Integrations
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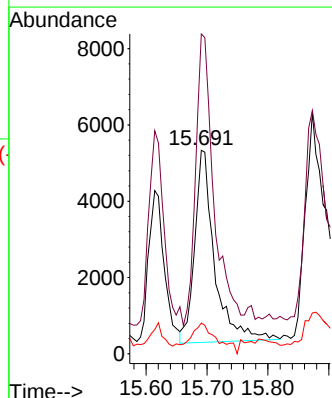
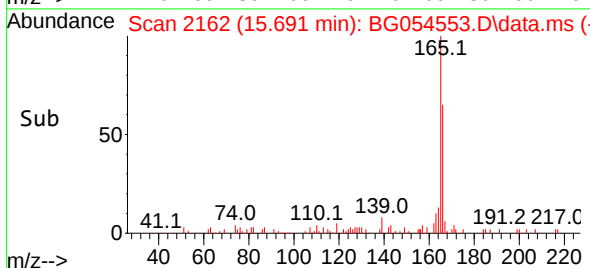
Reviewed By :Christian Giraldo 08/09/2022
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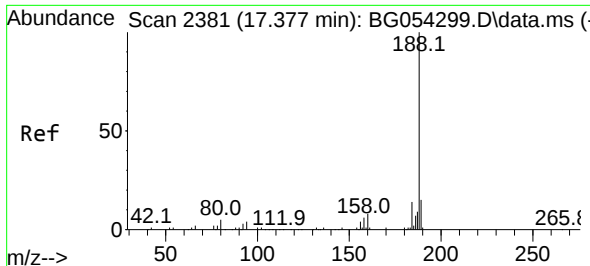


#58
Fluorene
Concen: 2.535 ng
RT: 15.691 min Scan# 2162
Delta R.T. 0.027 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



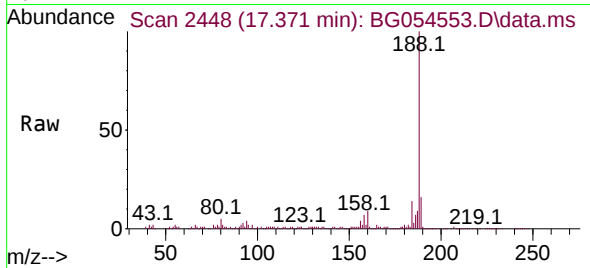
Tgt Ion:166 Resp: 11418
Ion Ratio Lower Upper
166 100
165 157.2 75.0 112.6#
167 15.1 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. 0.010 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

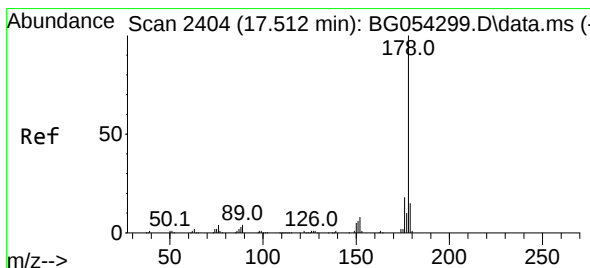
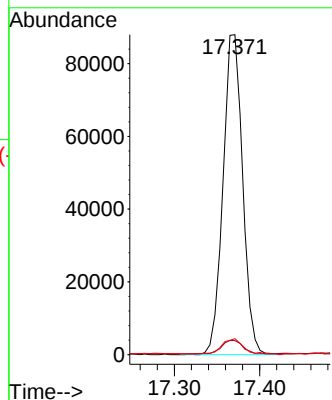
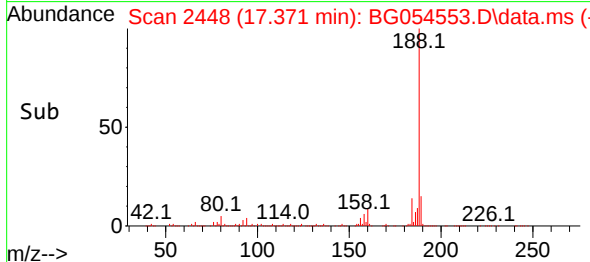
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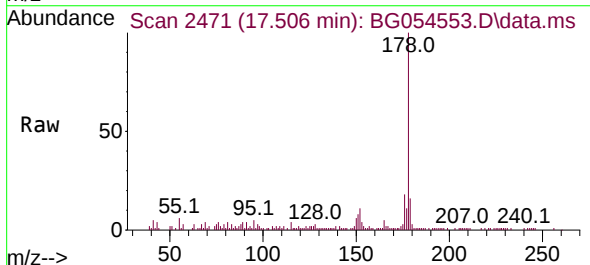
Tgt Ion:188 Resp: 140553
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0
80 5.0 6.8 10.2

Manual Integrations
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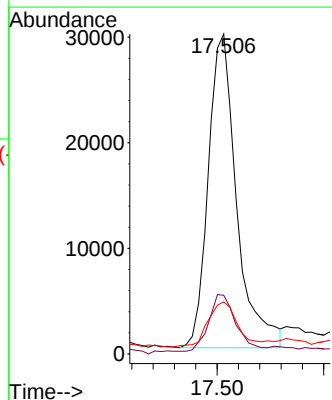
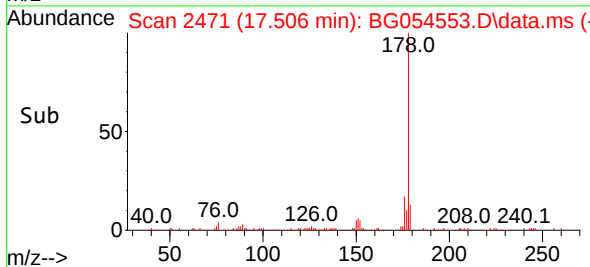
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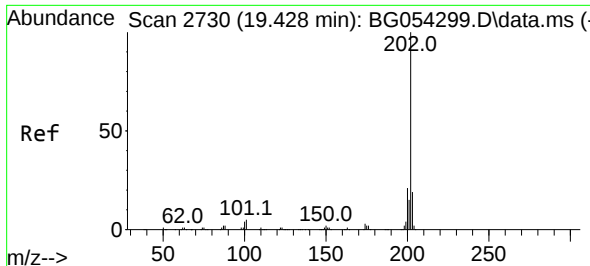


#72
Anthracene
Concen: 8.036 ng
RT: 17.506 min Scan# 2471
Delta R.T. 0.010 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



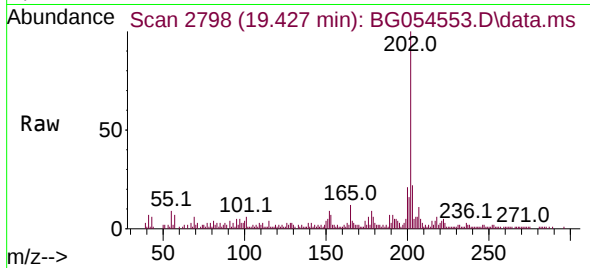
Tgt Ion:178 Resp: 55200
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 16.2 13.0 19.4





#75
Fluoranthene
Concen: 4.256 ng
RT: 19.427 min Scan# 21
Delta R.T. 0.010 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

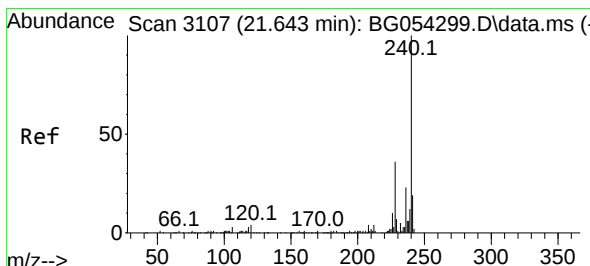
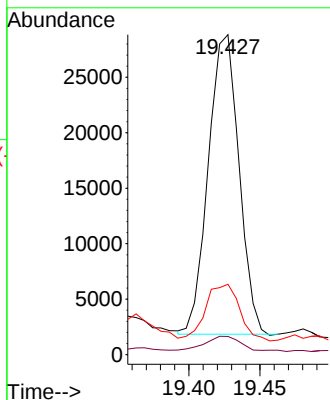
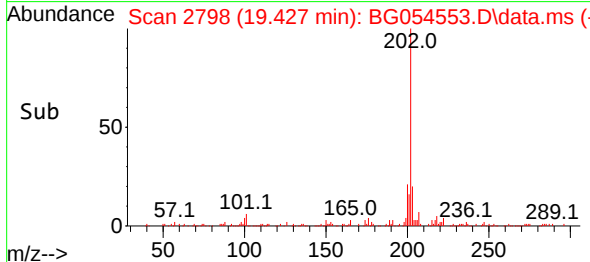
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:202 Resp: 40608
Ion Ratio Lower Upper
202 100
101 5.7 0.0 26.9
203 22.0 0.0 37.2

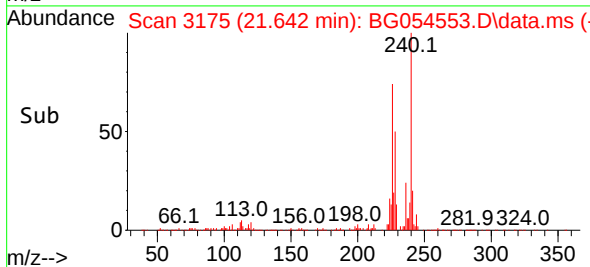
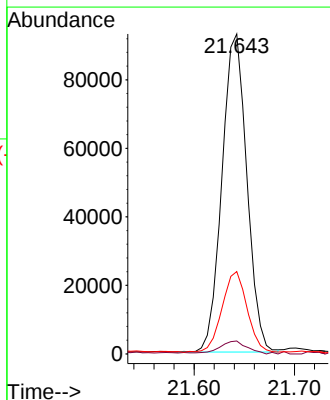
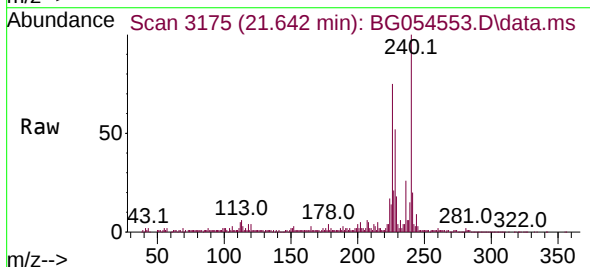
Manual Integrations
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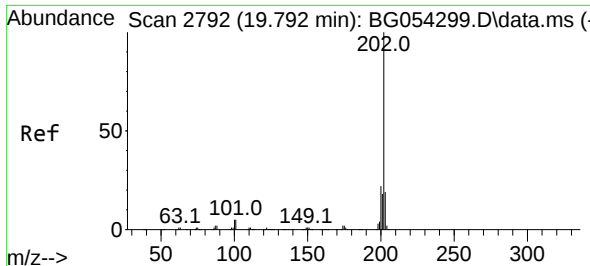
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3175
Delta R.T. 0.010 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

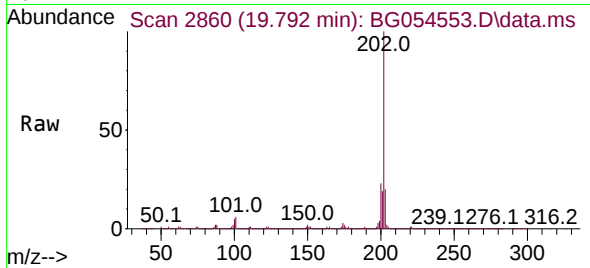
Tgt Ion:240 Resp: 160238
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 25.8 20.2 30.4





#78
Pyrene
Concen: 81.791 ng
RT: 19.792 min Scan# 2810
Delta R.T. 0.010 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

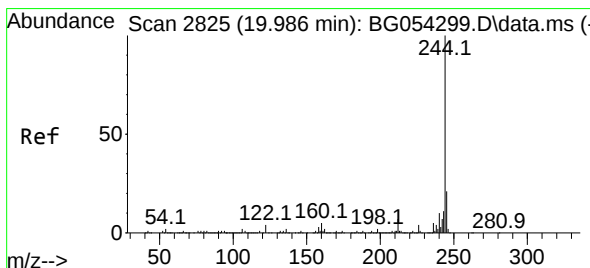
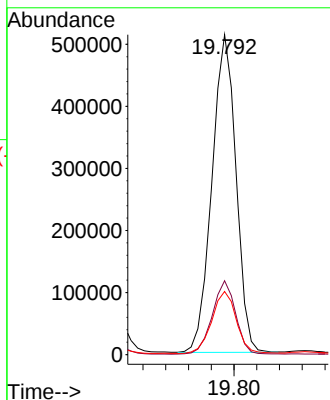
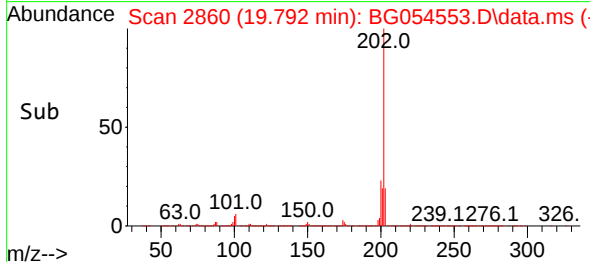
Instrument :
BNA_G
ClientSampleId :
P-5E



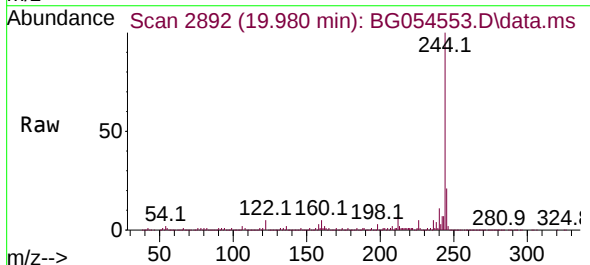
Tgt Ion:202 Resp: 752012
Ion Ratio Lower Upper
202 100
200 23.1 16.6 24.8
203 19.7 14.6 21.8

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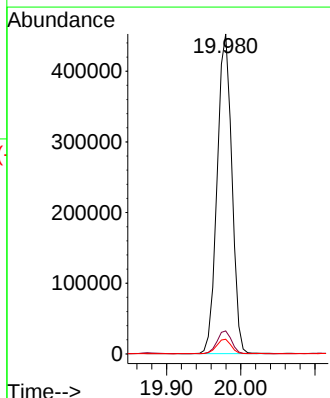
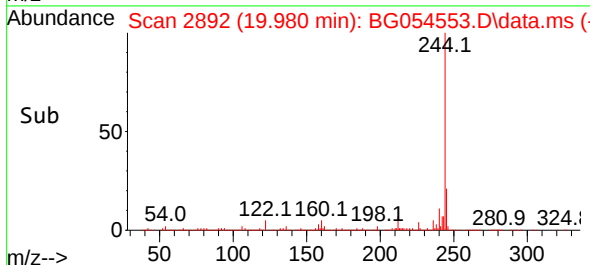
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

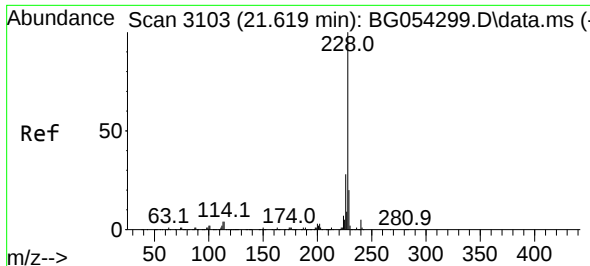


#79
Terphenyl-d14
Concen: 77.014 ng
RT: 19.980 min Scan# 2892
Delta R.T. 0.010 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



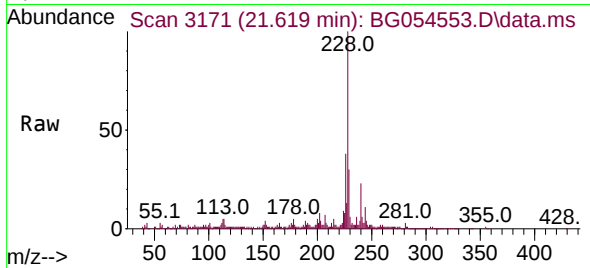
Tgt Ion:244 Resp: 622064
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 4.6 5.0 7.4





#81
Benzo(a)anthracene
Concen: 11.248 ng
RT: 21.619 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

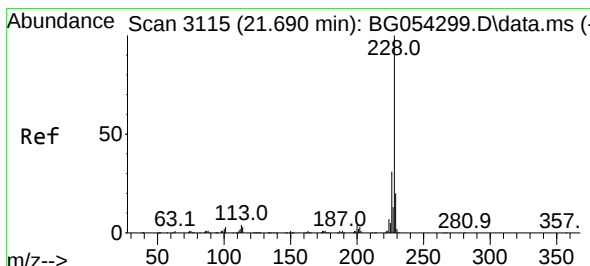
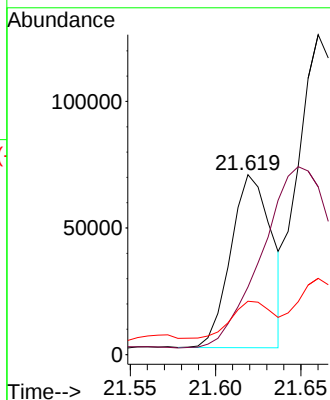
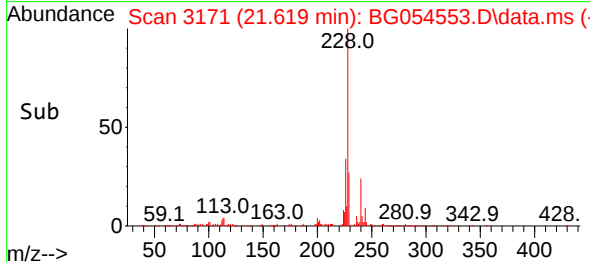
Instrument :
BNA_G
ClientSampleId :
P-5E



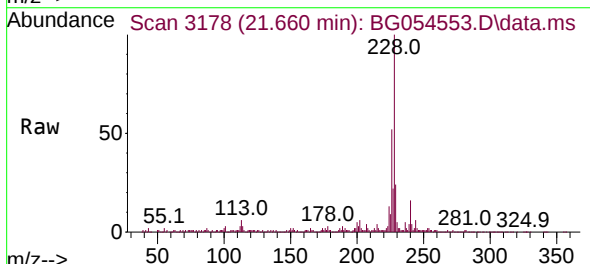
Tgt Ion:228 Resp: 114409
Ion Ratio Lower Upper
228 100
226 37.6 21.6 32.4#
229 29.7 16.2 24.2#

Manual Integrations
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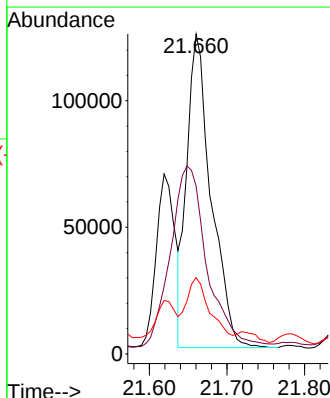
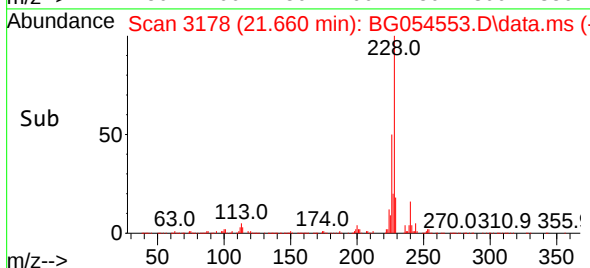
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

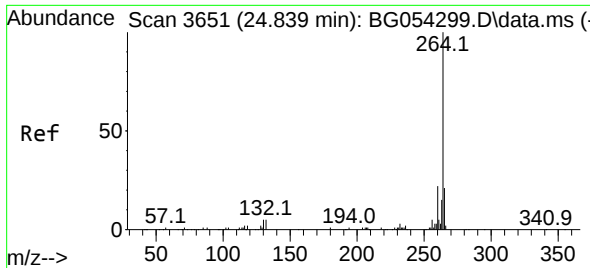


#83
Chrysene
Concen: 28.016 ng
RT: 21.660 min Scan# 3178
Delta R.T. -0.020 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



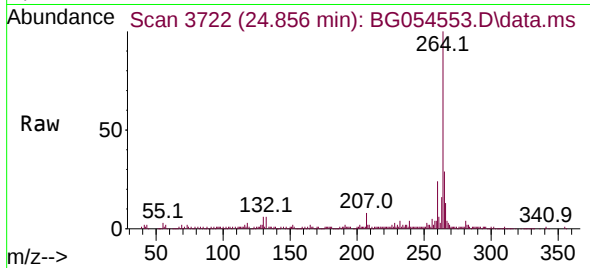
Tgt Ion:228 Resp: 269229
Ion Ratio Lower Upper
228 100
226 52.4 23.4 35.2#
229 23.8 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.856 min Scan# 31
Delta R.T. 0.021 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

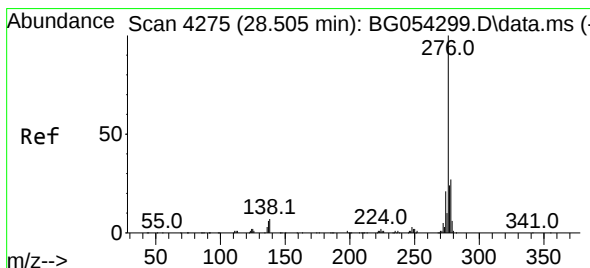
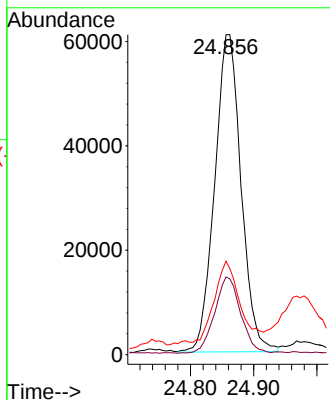
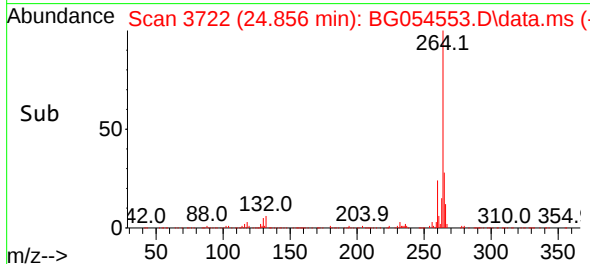
Instrument :
BNA_G
ClientSampleId :
P-5E



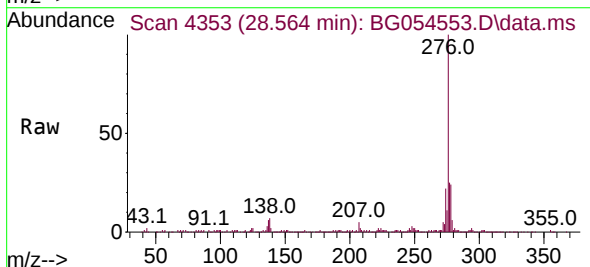
Tgt Ion:264 Resp: 176668
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 29.2 17.4 26.2

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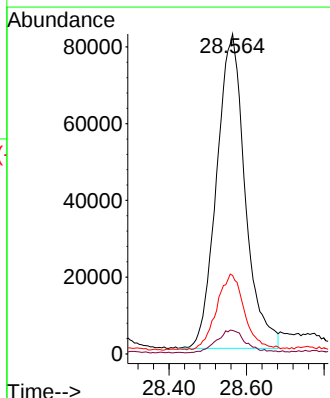
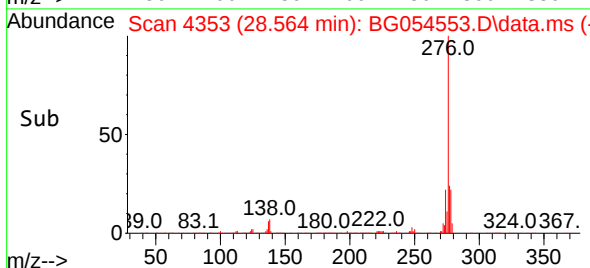
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

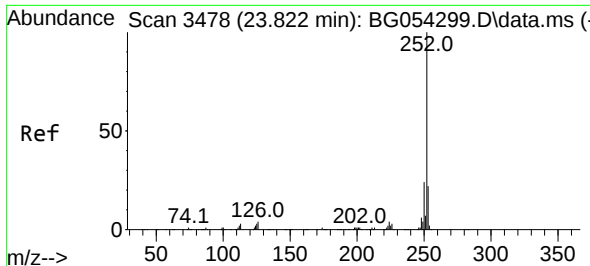


#87
Indeno(1,2,3-cd)pyrene
Concen: 31.147 ng
RT: 28.564 min Scan# 4353
Delta R.T. 0.033 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



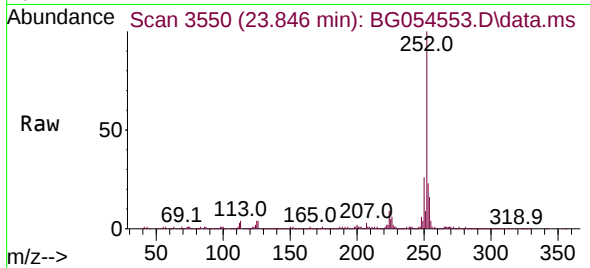
Tgt Ion:276 Resp: 418620
Ion Ratio Lower Upper
276 100
138 7.5 5.0 7.4
277 23.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 57.889 ng m
RT: 23.846 min Scan# 3550
Delta R.T. 0.027 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

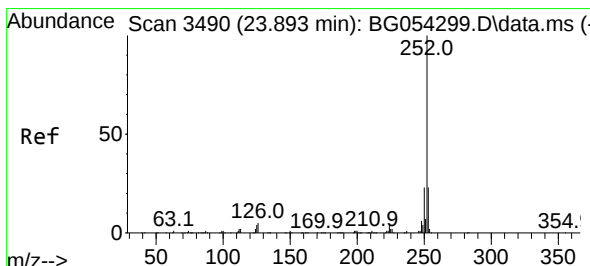
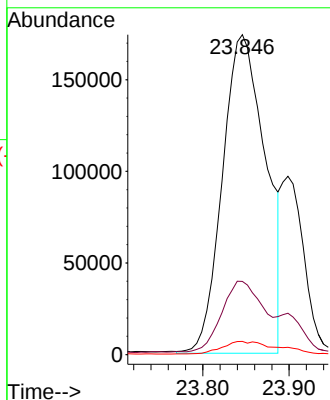
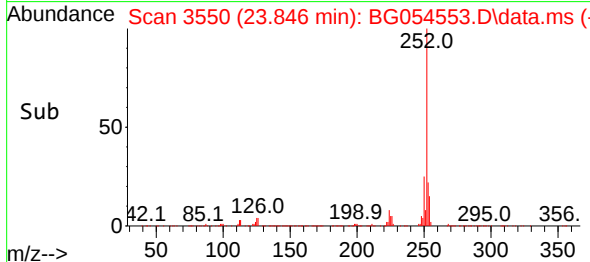
Instrument :
BNA_G
ClientSampleId :
P-5E



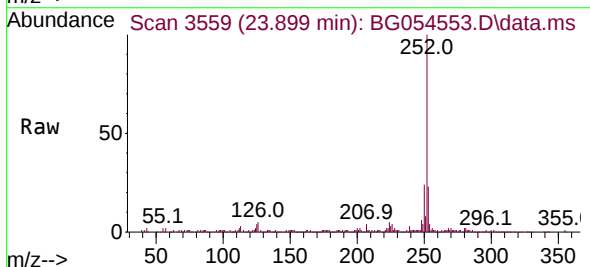
Tgt Ion:252 Resp: 60482
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 4.1 4.6 6.8

Manual Integrations
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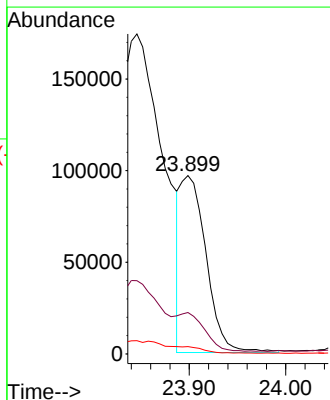
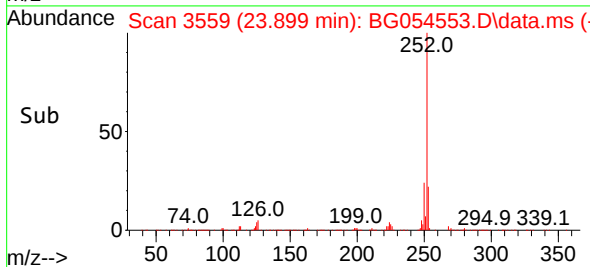
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

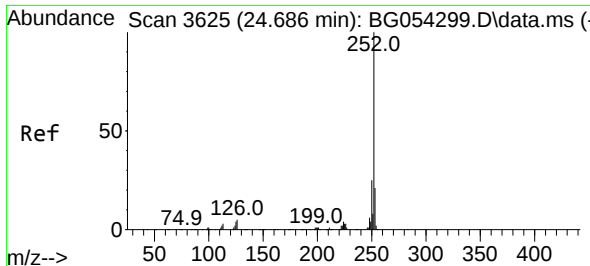


#89
Benzo(k)fluoranthene
Concen: 17.052 ng m
RT: 23.899 min Scan# 3559
Delta R.T. 0.016 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



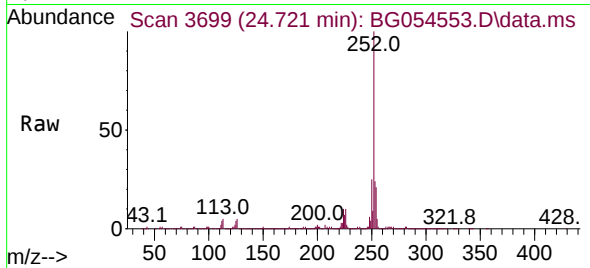
Tgt Ion:252 Resp: 177311
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 4.1 4.8 7.2





#90
Benzo(a)pyrene
Concen: 77.969 ng m
RT: 24.721 min Scan# 3625
Delta R.T. 0.033 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

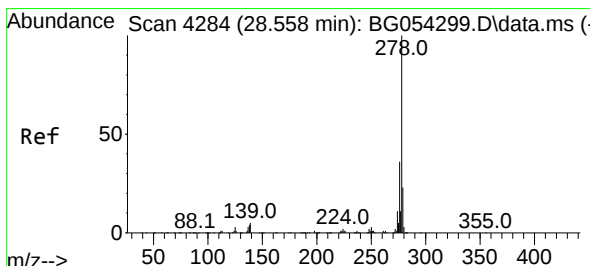
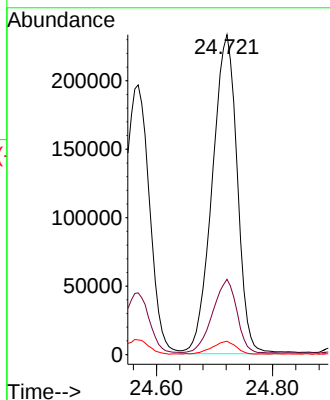
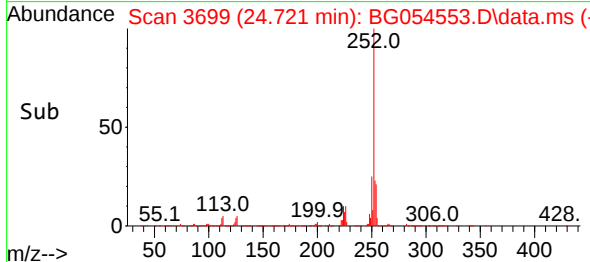
Instrument :
BNA_G
ClientSampleId :
P-5E



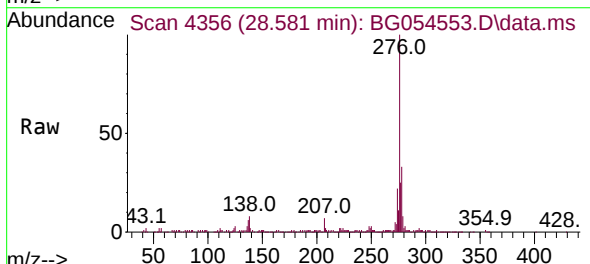
Tgt Ion:252 Resp: 695684
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 4.2 4.3 6.5

Manual Integrations
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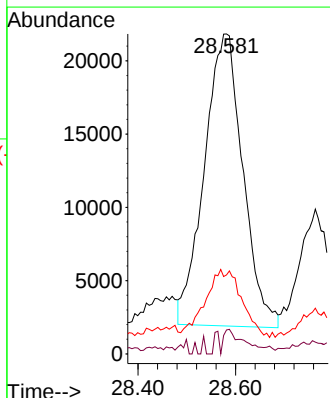
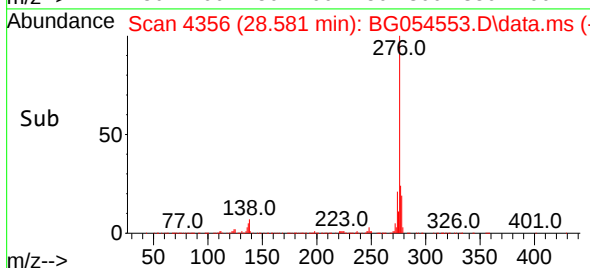
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

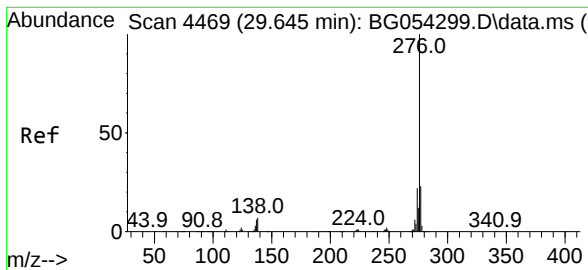


#91
Dibenzo(a,h)anthracene
Concen: 9.883 ng
RT: 28.581 min Scan# 4356
Delta R.T. 0.010 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45



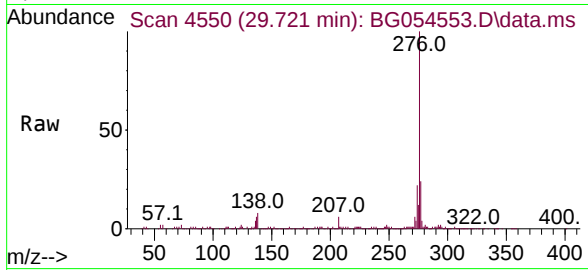
Tgt Ion:278 Resp: 109219
Ion Ratio Lower Upper
278 100
139 7.5 7.2 10.8
279 24.7 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 42.674 ng
 RT: 29.721 min Scan# 4550
 Delta R.T. 0.045 min
 Lab File: BG054553.D
 Acq: 8 Aug 2022 14:45

Instrument :
 BNA_G
 ClientSampleId :
 P-5E



Tgt Ion:276 Resp: 465464
 Ion Ratio Lower Upper
 276 100
 277 24.1 17.3 25.9
 138 8.0 9.6 14.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022

