

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
 Data File : BG054794.D
 Acq On : 30 Aug 2022 18:01
 Operator : CG/JU
 Sample : N4416-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/31/2022
 Supervised By : Jagrut Upadhyay 08/31/2022

Quant Time: Aug 31 02:08:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.149	152	49340	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	212313	20.000	ng	0.00
39) Acenaphthene-d10	14.782	164	140705	20.000	ng	0.00
64) Phenanthrene-d10	17.526	188	303132	20.000	ng	0.00
76) Chrysene-d12	21.821	240	280304	20.000	ng	0.00
86) Perylene-d12	25.188	264	299794	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	429023	151.415	ng	0.00
7) Phenol-d6	7.297	99	592146	152.815	ng	0.00
23) Nitrobenzene-d5	9.324	82	349902	86.517	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	246161	140.007	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	851388	90.946	ng	0.00
79) Terphenyl-d14	20.129	244	1277615	90.311	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.567	178	393154	24.347	ng	99
72) Anthracene	17.661	178	73541	4.684	ng	98
75) Fluoranthene	19.576	202	601860	30.638	ng	98
78) Pyrene	19.935	202	535566	27.401	ng	99
81) Benzo(a)anthracene	21.797	228	258629	13.608	ng	99
83) Chrysene	21.868	228	250362	13.777	ng	99
87) Indeno(1,2,3-cd)pyrene	29.054	276	166848	7.331	ng	98
88) Benzo(b)fluoranthene	24.112	252	334282	17.775	ng	99
89) Benzo(k)fluoranthene	24.177	252	108267m	5.720	ng	
90) Benzo(a)pyrene	25.023	252	244286	15.204	ng	99
91) Dibenzo(a,h)anthracene	29.095	278	40510m	2.185	ng	
92) Benzo(g,h,i)perylene	30.264	276	169233	9.035	ng	99

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

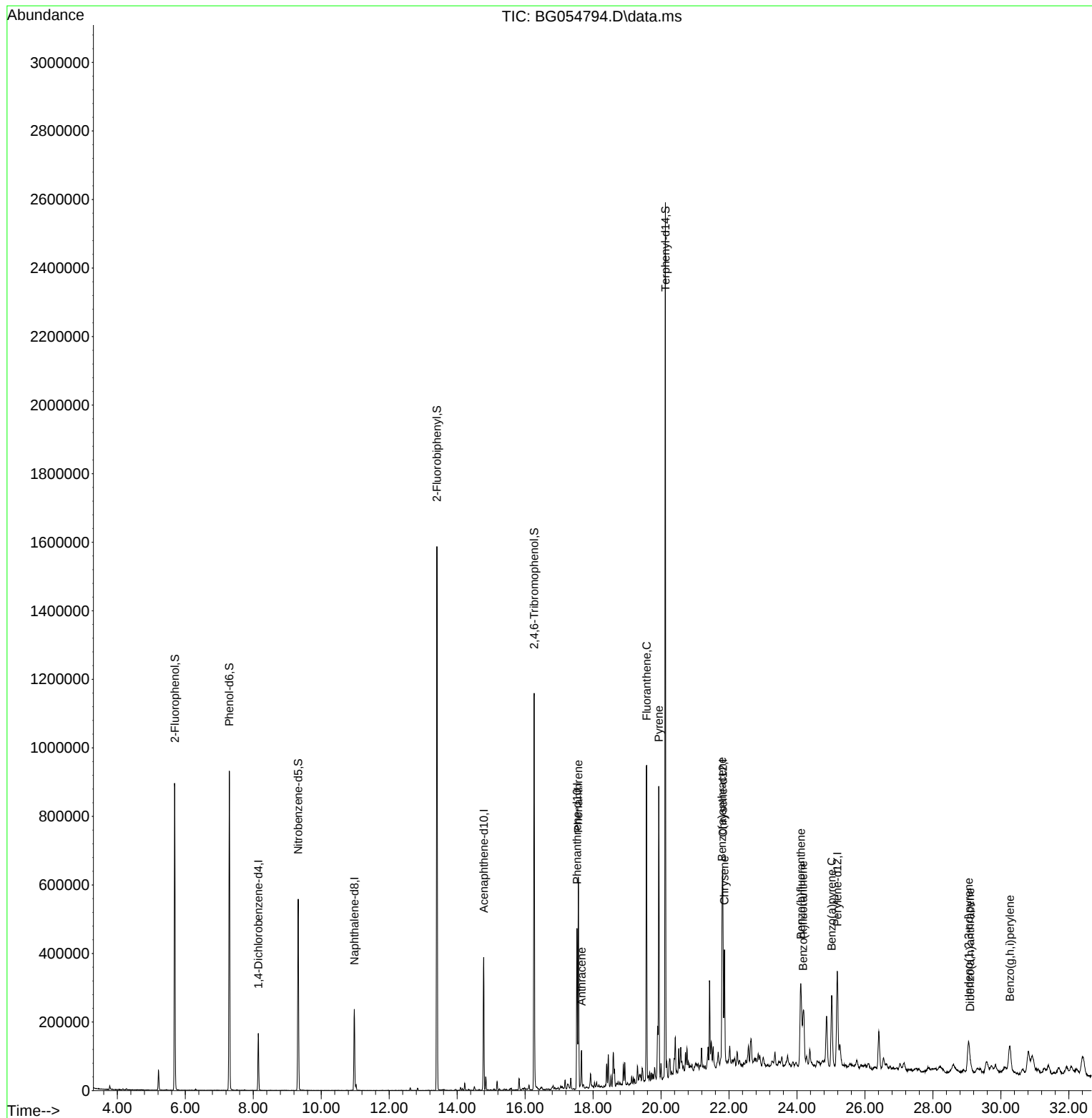
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Data File : BG054794.D
Acq On : 30 Aug 2022 18:01
Operator : CG/JU
Sample : N4416-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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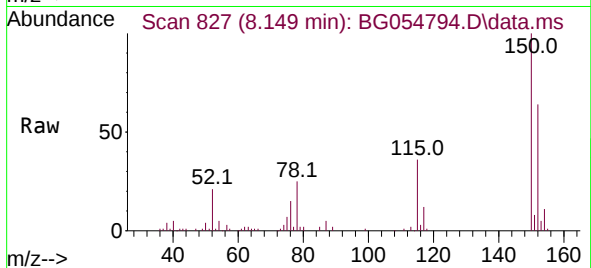
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Supervised By : Jagrut Upadhyay 08/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.149 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

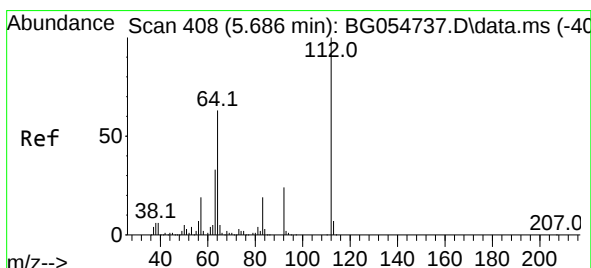
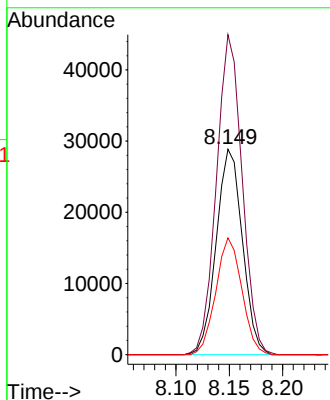
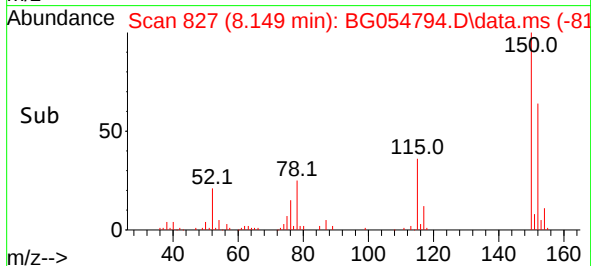
Instrument :
BNA_G
ClientSampleId :
B



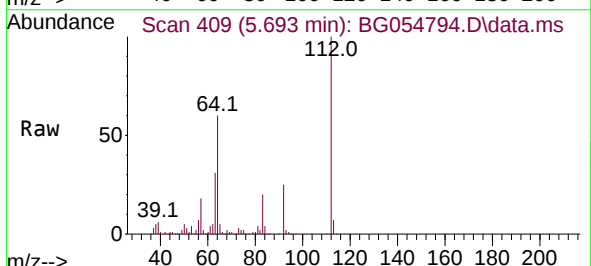
Tgt Ion:152 Resp: 49340
Ion Ratio Lower Upper
152 100
150 155.8 125.2 187.8
115 56.9 47.9 71.9

Manual Integrations
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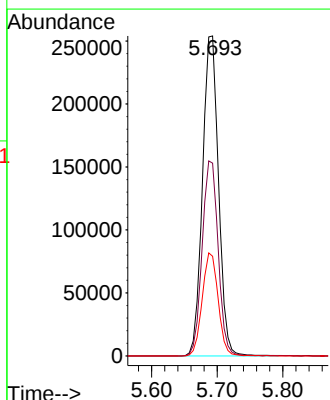
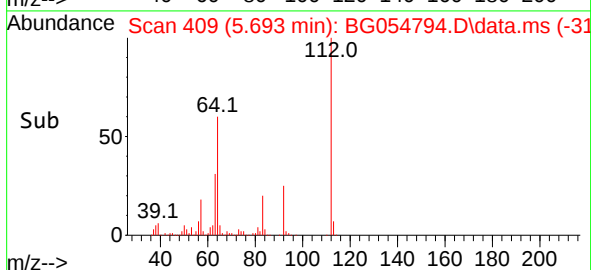
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#5
2-Fluorophenol
Concen: 151.415 ng
RT: 5.693 min Scan# 409
Delta R.T. 0.007 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01



Tgt Ion:112 Resp: 429023
Ion Ratio Lower Upper
112 100
64 60.3 49.3 73.9
63 31.1 26.3 39.5





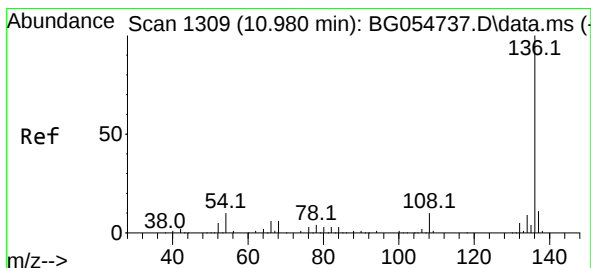
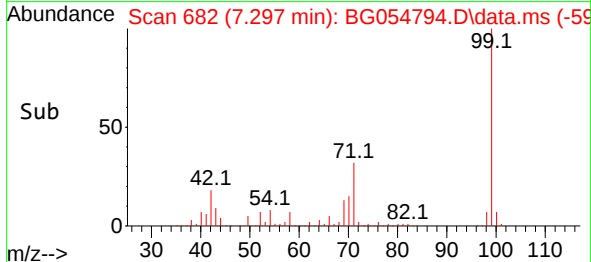
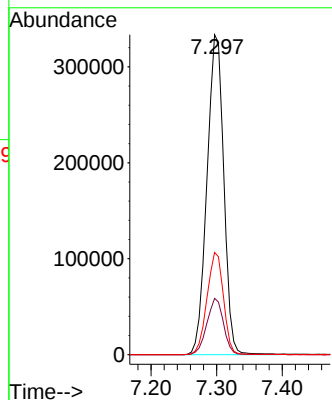
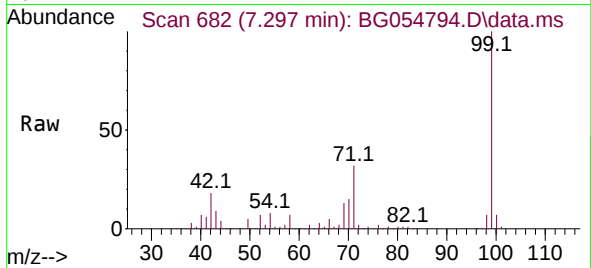
#7
Phenol-d6
Concen: 152.815 ng
RT: 7.297 min Scan# 682
Delta R.T. 0.001 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Instrument :
BNA_G
ClientSampleId :
B

Tgt Ion: 99 Resp: 592146
Ion Ratio Lower Upper
99 100
42 17.6 14.6 22.0
71 31.9 24.6 37.0

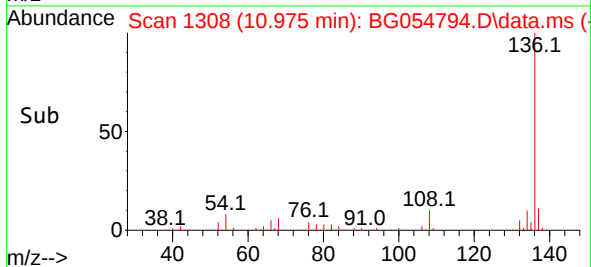
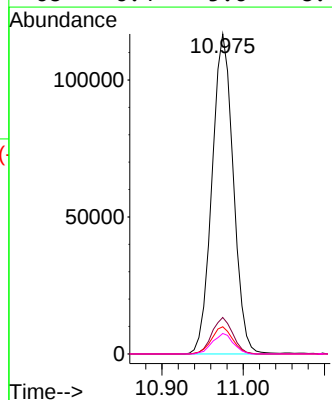
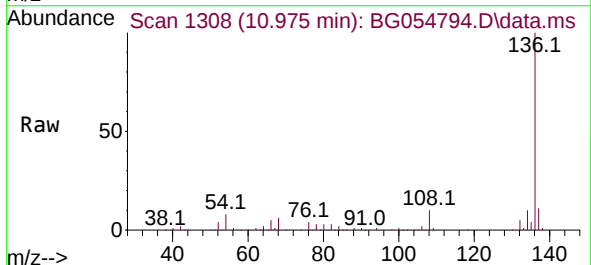
Manual Integrations
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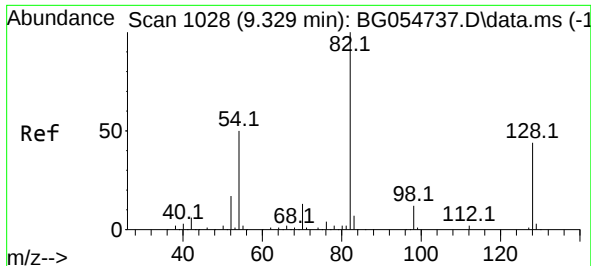
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1308
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

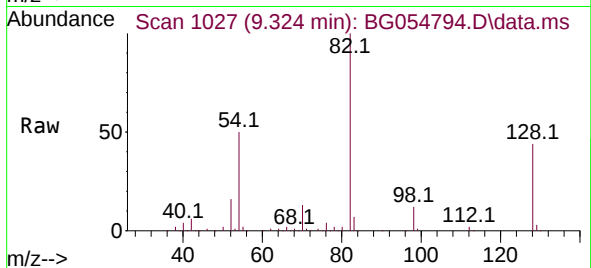
Tgt Ion:136 Resp: 212313
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 8.5 7.7 11.5
68 6.4 5.6 8.4





#23
Nitrobenzene-d5
Concen: 86.517 ng
RT: 9.324 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

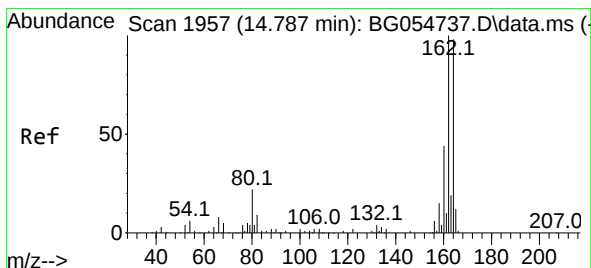
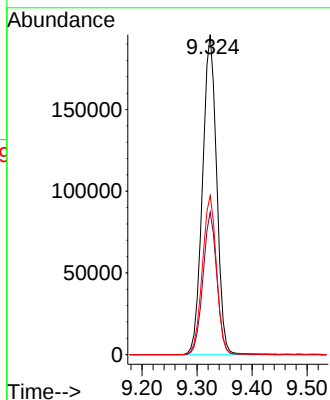
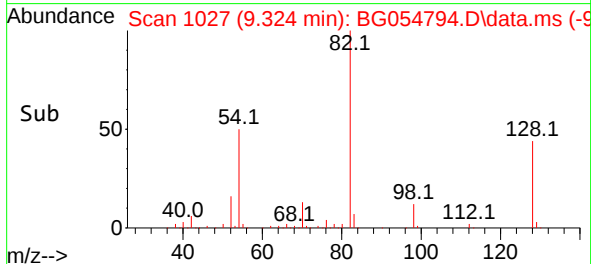
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 82 Resp: 349902
Ion Ratio Lower Upper
82 100
128 44.5 32.2 48.2
54 49.7 41.4 62.0

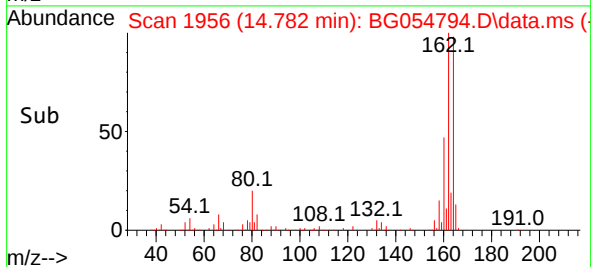
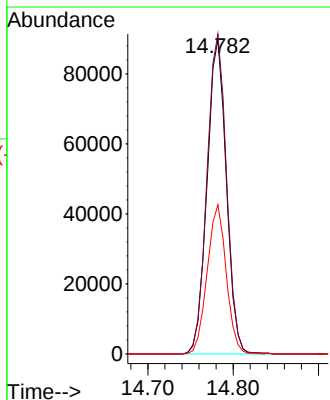
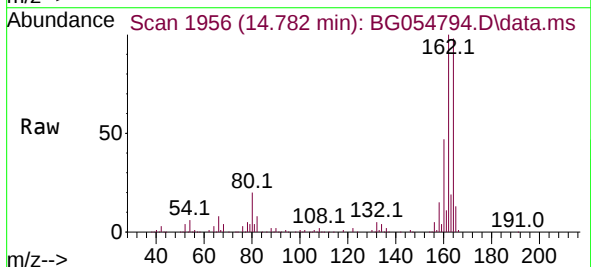
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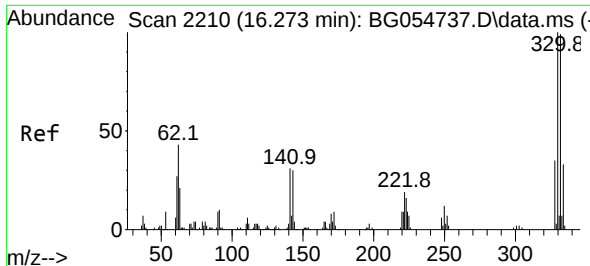
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.782 min Scan# 1956
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

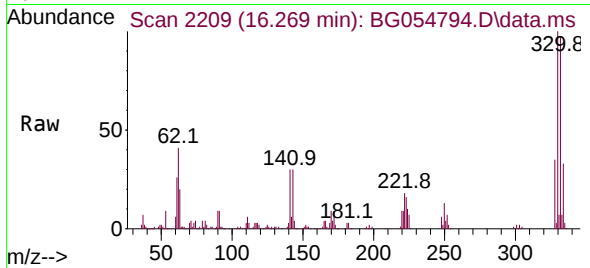
Tgt Ion:164 Resp: 140705
Ion Ratio Lower Upper
164 100
162 101.7 83.0 124.4
160 47.4 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 140.007 ng
RT: 16.269 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

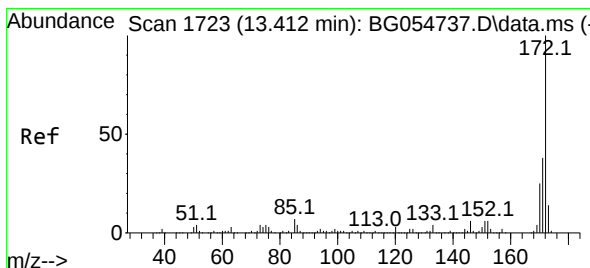
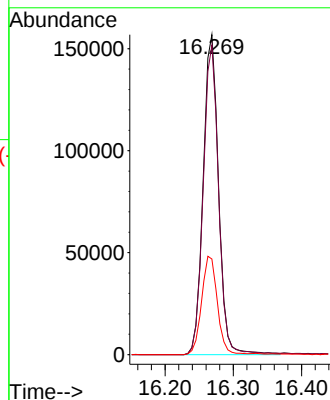
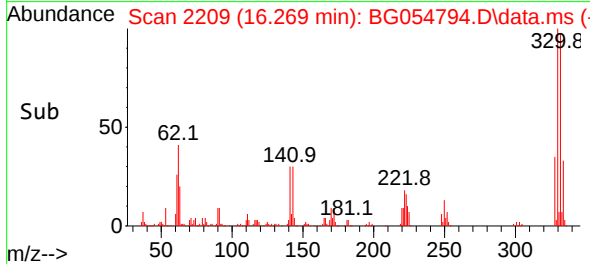
Instrument :
BNA_G
ClientSampleId :
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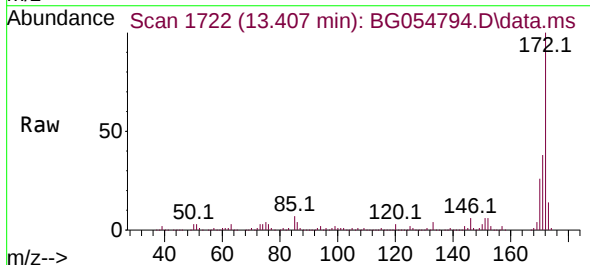
Tgt Ion:330 Resp: 24616
Ion Ratio Lower Upper
330 100
332 97.1 79.8 119.6
141 31.4 26.8 40.2

Manual Integrations
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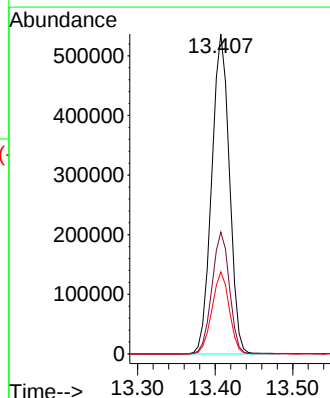
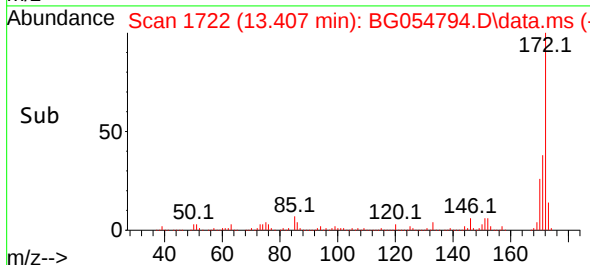
Reviewed By :Christian Giraldo 08/31/2022
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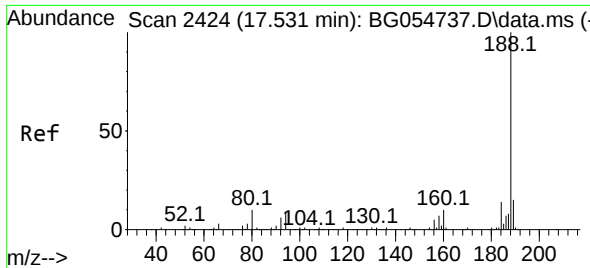


#45
2-Fluorobiphenyl
Concen: 90.946 ng
RT: 13.407 min Scan# 1722
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01



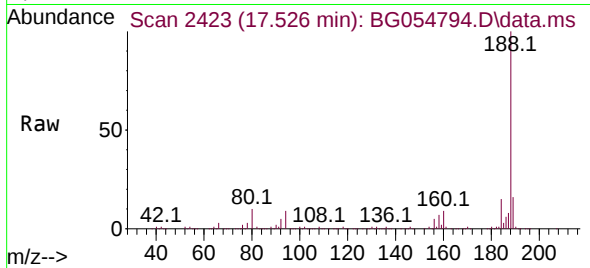
Tgt Ion:172 Resp: 851388
Ion Ratio Lower Upper
172 100
171 38.1 31.2 46.8
170 25.6 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.526 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

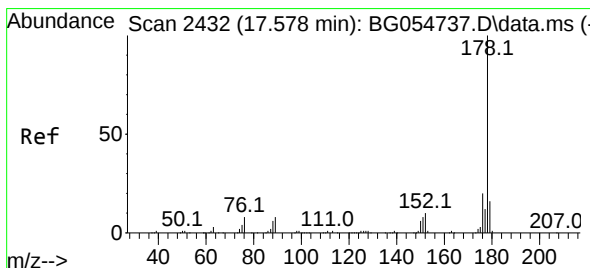
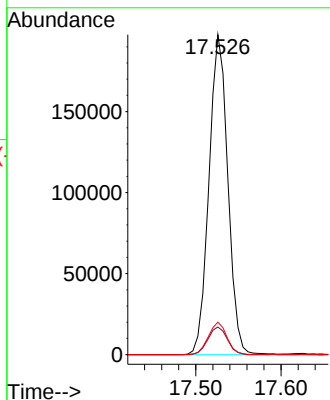
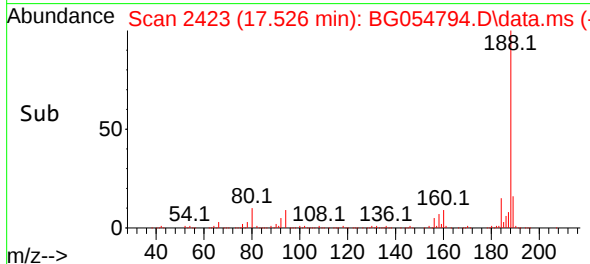
Instrument :
BNA_G
ClientSampleId :
B



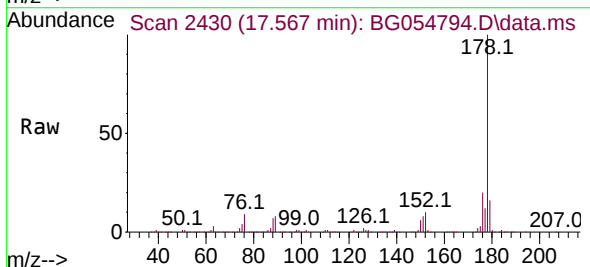
Tgt Ion:188 Resp: 303132
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 10.1 7.9 11.9

Manual Integrations
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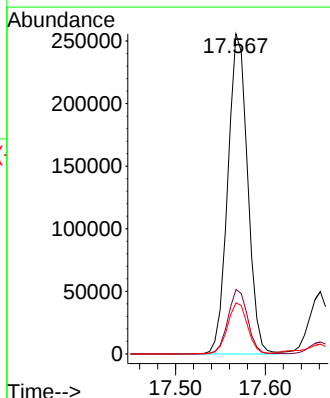
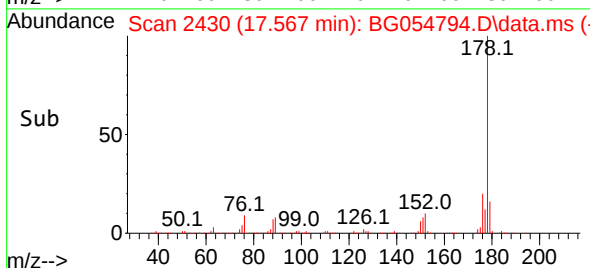
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022

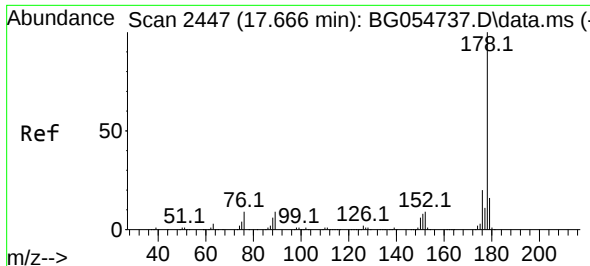


#71
Phenanthrene
Concen: 24.347 ng
RT: 17.567 min Scan# 2430
Delta R.T. -0.011 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01



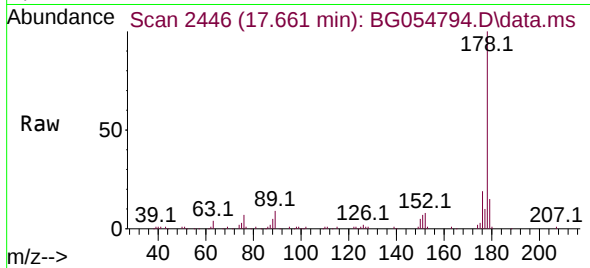
Tgt Ion:178 Resp: 393154
Ion Ratio Lower Upper
178 100
176 20.1 16.6 25.0
179 15.9 12.8 19.2





#72
 Anthracene
 Concen: 4.684 ng
 RT: 17.661 min Scan# 2447
 Delta R.T. -0.005 min
 Lab File: BG054794.D
 Acq: 30 Aug 2022 18:01

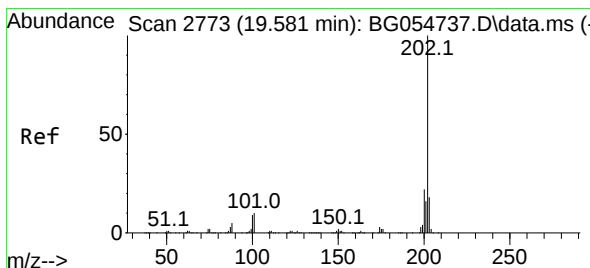
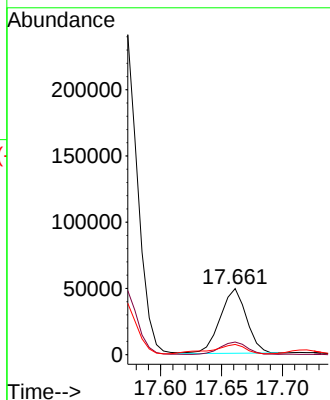
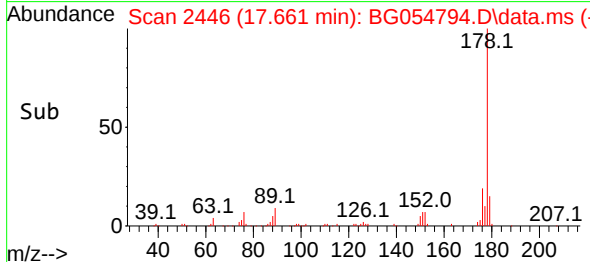
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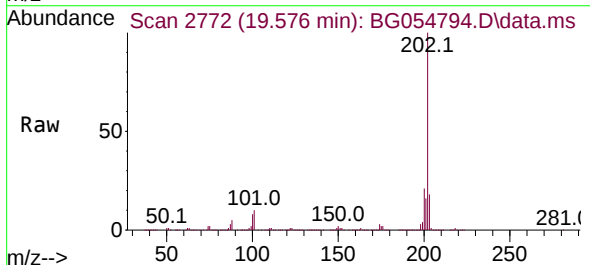
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 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.4 12.9 19.3

Manual Integrations
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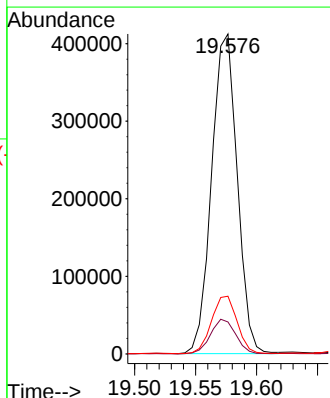
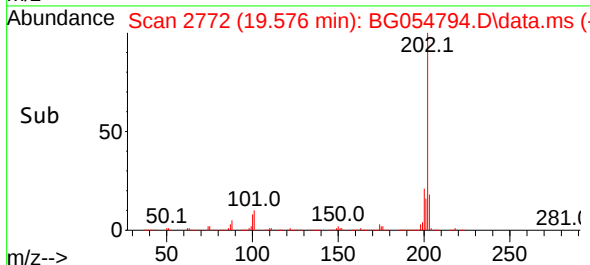
Reviewed By :Christian Giraldo 08/31/2022
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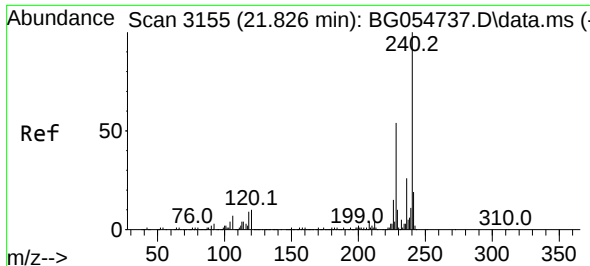


#75
 Fluoranthene
 Concen: 30.638 ng
 RT: 19.576 min Scan# 2772
 Delta R.T. -0.005 min
 Lab File: BG054794.D
 Acq: 30 Aug 2022 18:01



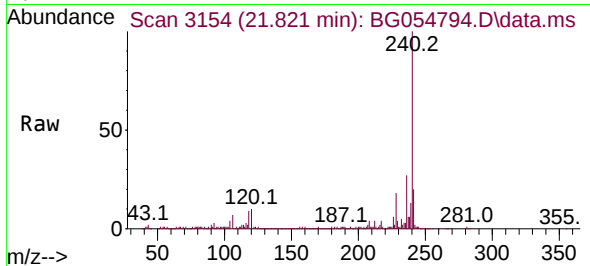
Tgt Ion:202 Resp: 601860
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 31.4
 203 18.0 0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.821 min Scan# 3155
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

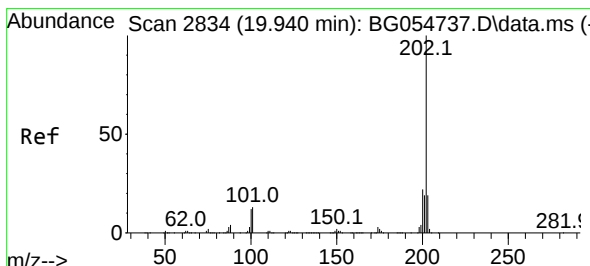
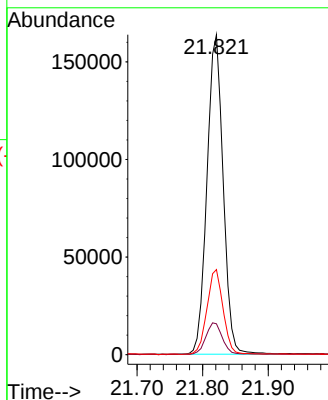
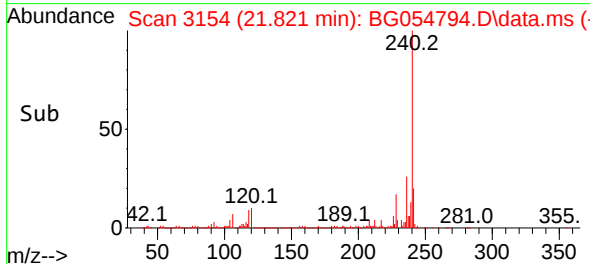
Instrument :
BNA_G
ClientSampleId :
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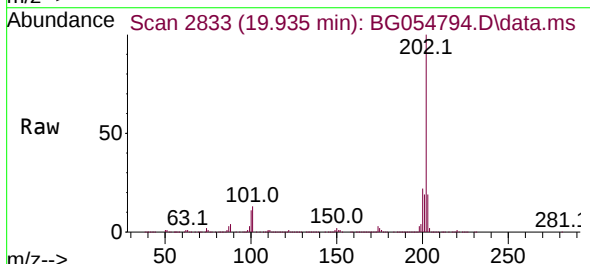
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Ion Ratio Lower Upper
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236 26.6 21.2 31.8

Manual Integrations
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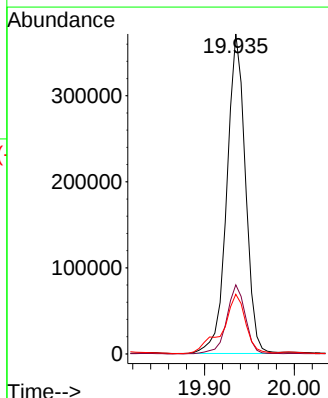
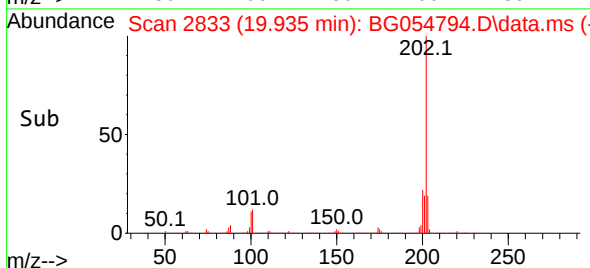
Reviewed By :Christian Giraldo 08/31/2022
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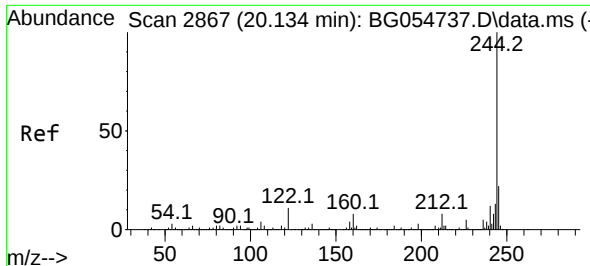


#78
Pyrene
Concen: 27.401 ng
RT: 19.935 min Scan# 2833
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01



Tgt Ion:202 Resp: 535566
Ion Ratio Lower Upper
202 100
200 21.6 17.8 26.6
203 18.6 14.6 21.8





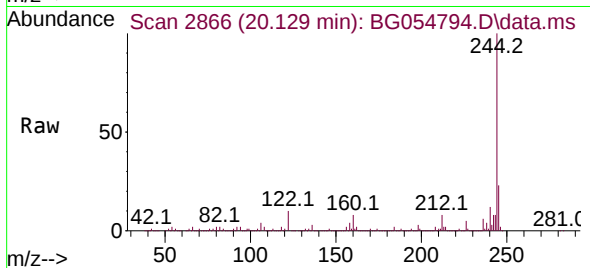
#79
 Terphenyl-d14
 Concen: 90.311 ng
 RT: 20.129 min Scan# 2867
 Delta R.T. -0.005 min
 Lab File: BG054794.D
 Acq: 30 Aug 2022 18:01

Instrument :

BNA_G

ClientSampleId :

B

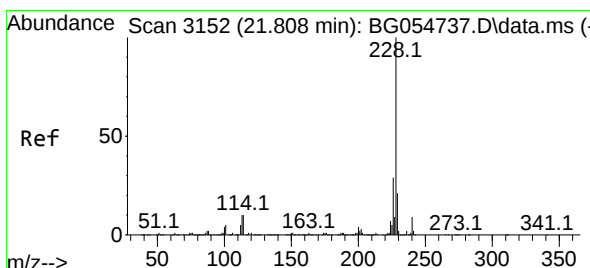
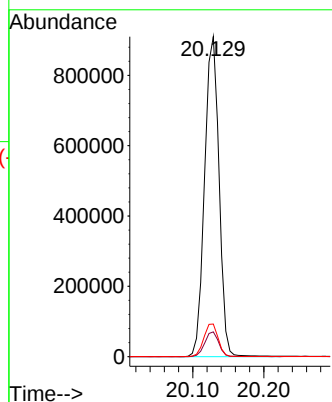
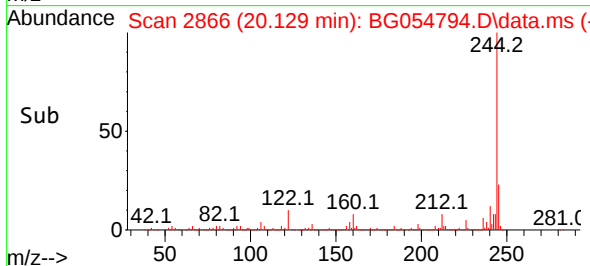


Tgt Ion:244 Resp: 1277615
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 10.2 9.0 13.6

Manual Integrations

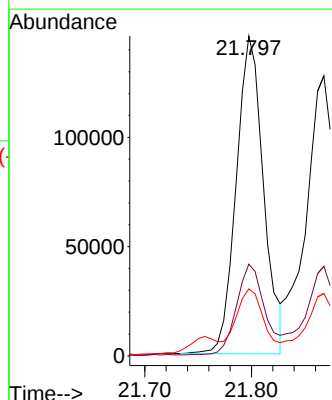
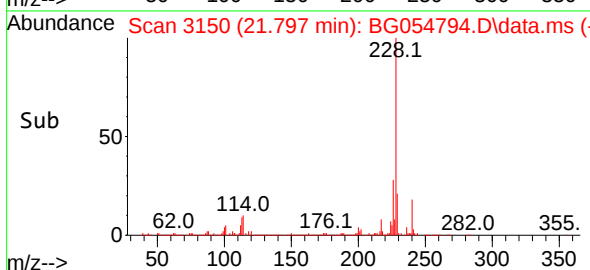
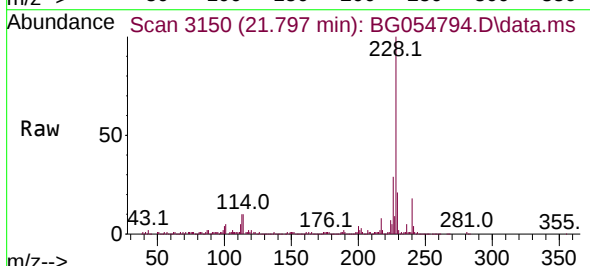
APPROVED

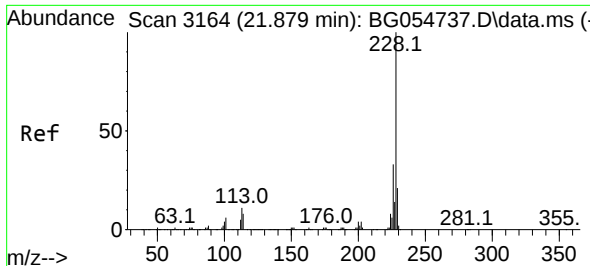
Reviewed By :Christian Giraldo 08/31/2022
 Supervised By :Jagrut Upadhyay 08/31/2022



#81
 Benzo(a)anthracene
 Concen: 13.608 ng
 RT: 21.797 min Scan# 3150
 Delta R.T. -0.011 min
 Lab File: BG054794.D
 Acq: 30 Aug 2022 18:01

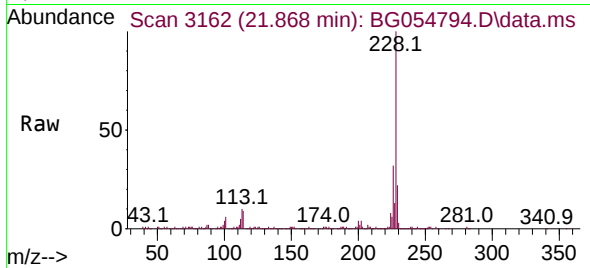
Tgt Ion:228 Resp: 258629
 Ion Ratio Lower Upper
 228 100
 226 28.7 23.4 35.2
 229 20.9 16.5 24.7





#83
Chrysene
Concen: 13.777 ng
RT: 21.868 min Scan# 3162
Delta R.T. -0.011 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

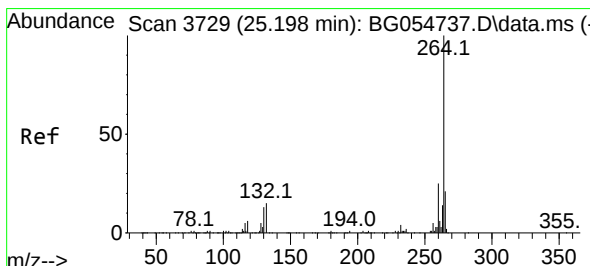
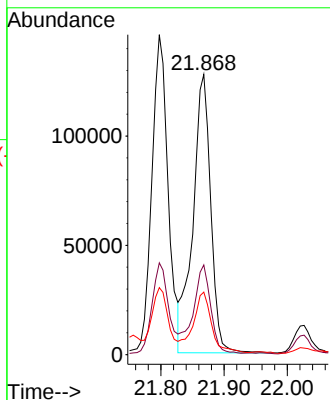
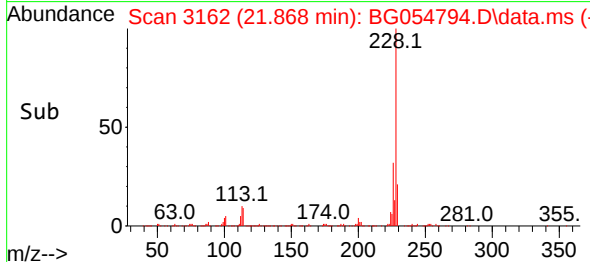
Instrument :
BNA_G
ClientSampleId :
B



Tgt Ion:228 Resp: 250362
Ion Ratio Lower Upper
228 100
226 32.0 25.5 38.3
229 22.3 16.8 25.2

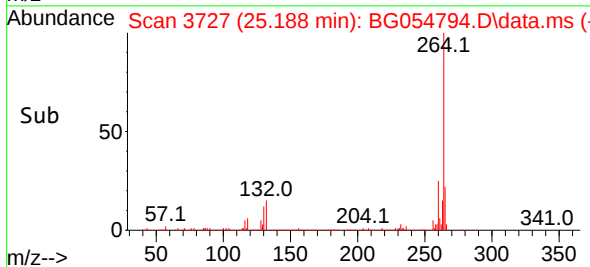
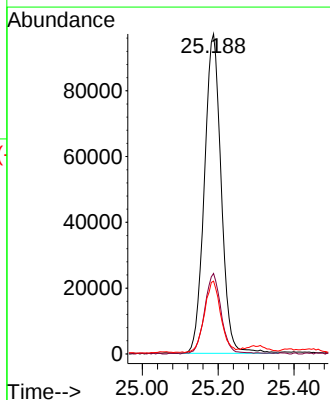
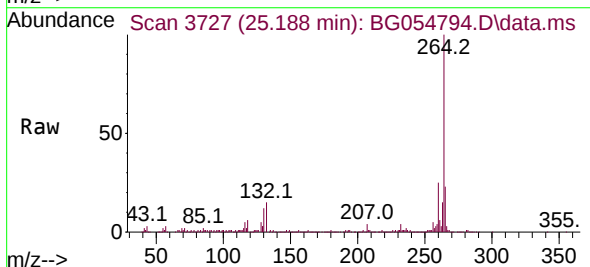
Manual Integrations
APPROVED

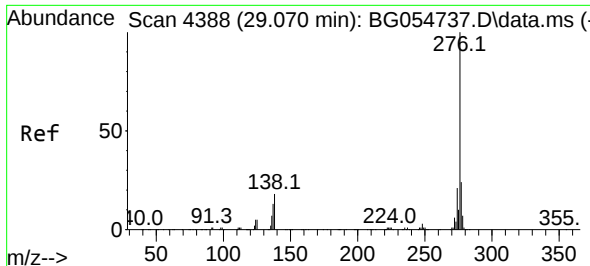
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.188 min Scan# 3727
Delta R.T. -0.011 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

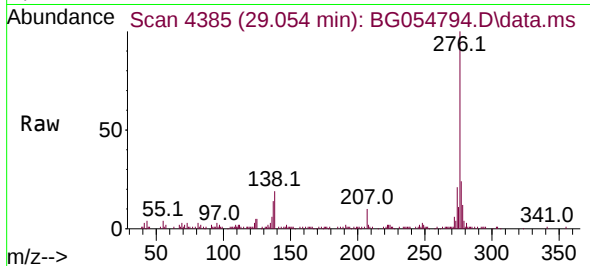
Tgt Ion:264 Resp: 299794
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 22.7 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.331 ng
RT: 29.054 min Scan# 4388
Delta R.T. -0.017 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

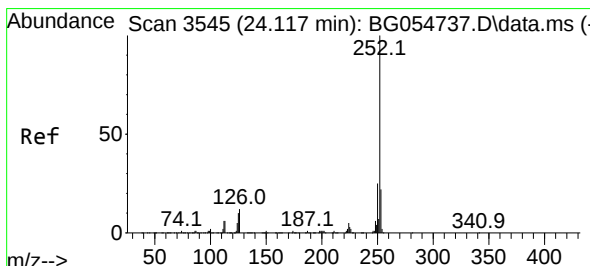
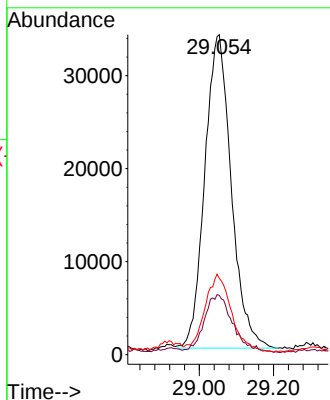
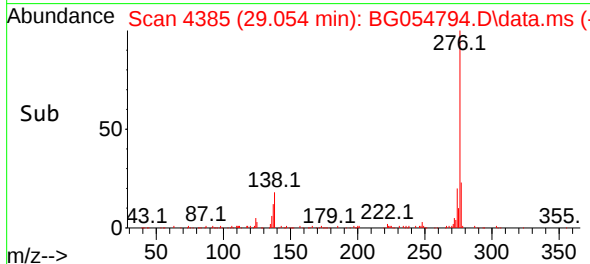
Instrument :
BNA_G
ClientSampleId :
B



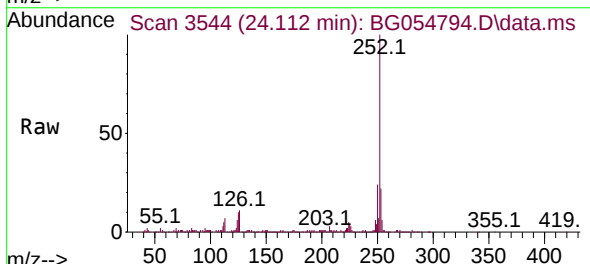
Tgt Ion:276 Resp: 166848
Ion Ratio Lower Upper
276 100
138 17.4 12.0 18.0
277 25.1 20.2 30.4

Manual Integrations
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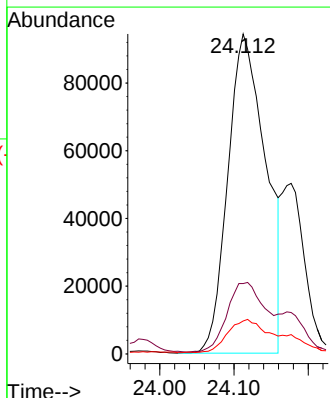
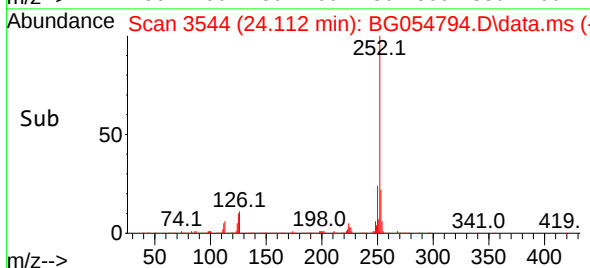
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022

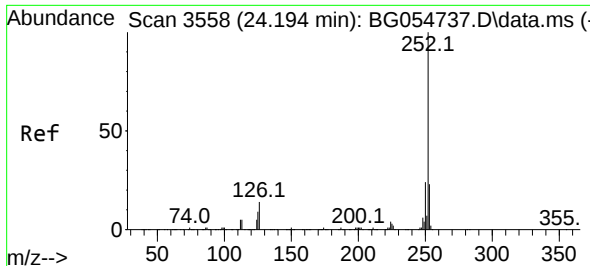


#88
Benzo(b)fluoranthene
Concen: 17.775 ng
RT: 24.112 min Scan# 3544
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01



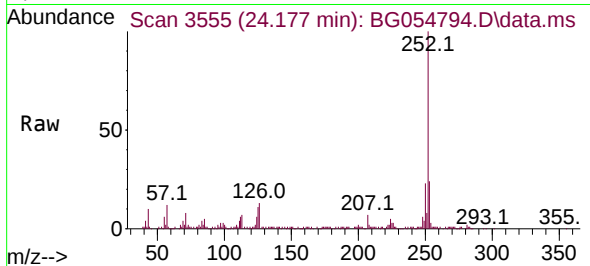
Tgt Ion:252 Resp: 334282
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 10.3 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 5.720 ng m
RT: 24.177 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

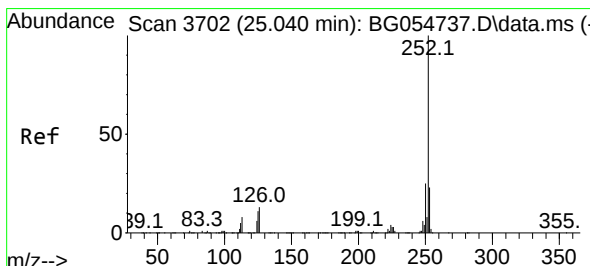
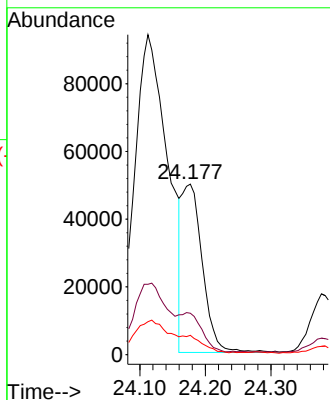
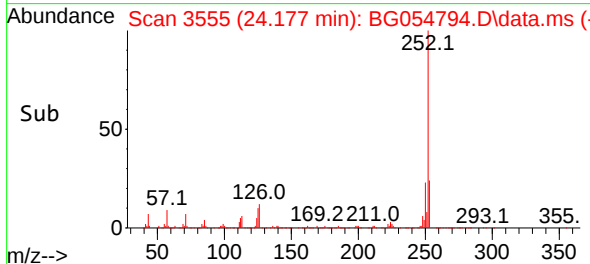
Instrument :
BNA_G
ClientSampleId :
B



Tgt Ion:252 Resp: 108262
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 11.3 8.2 12.4

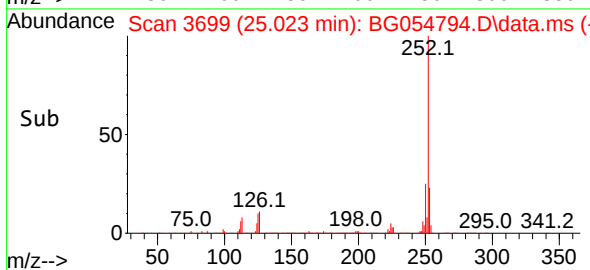
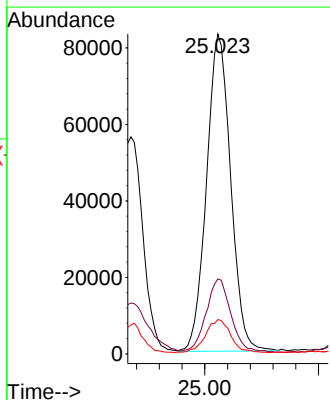
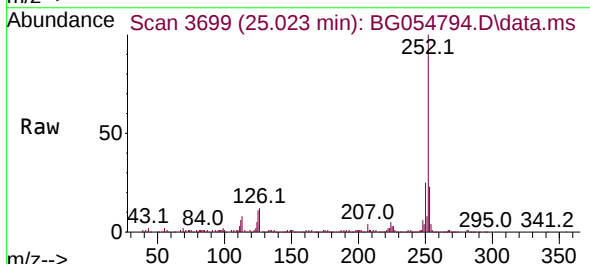
Manual Integrations
APPROVED

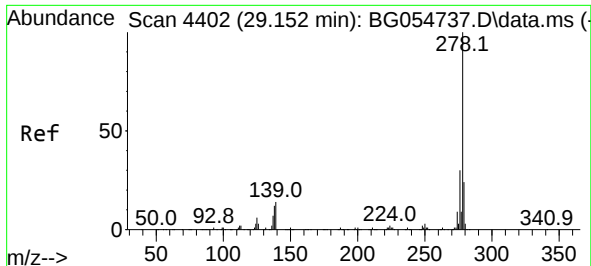
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#90
Benzo(a)pyrene
Concen: 15.204 ng
RT: 25.023 min Scan# 3699
Delta R.T. -0.017 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

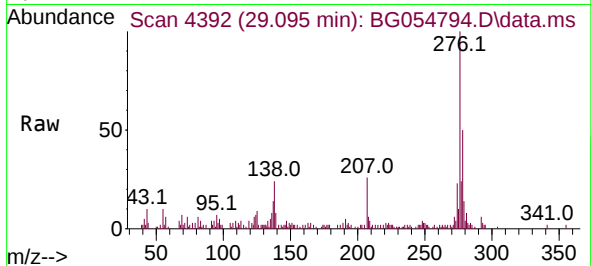
Tgt Ion:252 Resp: 244286
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 10.7 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 2.185 ng m
RT: 29.095 min Scan# 4392
Delta R.T. -0.058 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

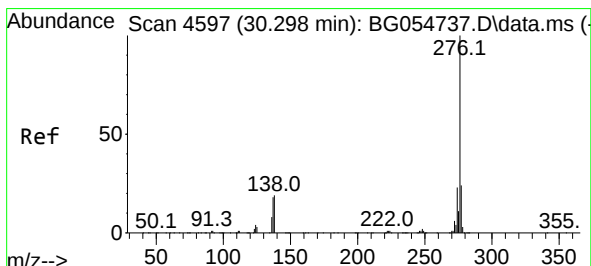
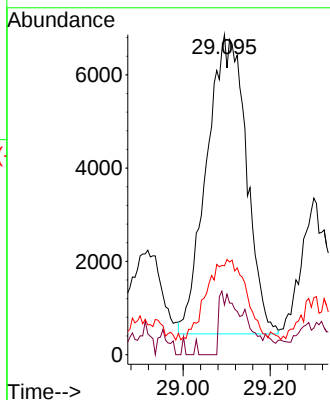
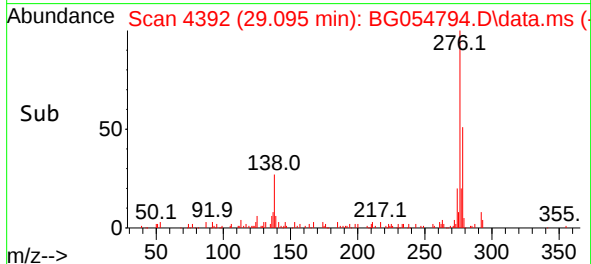
Instrument :
BNA_G
ClientSampleId :
B



Tgt Ion:278 Resp: 40510
Ion Ratio Lower Upper
278 100
139 15.5 11.4 17.2
279 27.8 19.3 28.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#92
Benzo(g,h,i)perylene
Concen: 9.035 ng
RT: 30.264 min Scan# 4591
Delta R.T. -0.034 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:276 Resp: 169233
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 20.5 16.6 25.0

