

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
 Data File : BG054797.D
 Acq On : 30 Aug 2022 20:09
 Operator : CG/JU
 Sample : N4415-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-082622

Manual Integrations
 APPROVED

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

Quant Time: Aug 31 02:10:06 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	8.152	152	52195	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	221129	20.000	ng	0.00
39) Acenaphthene-d10	14.785	164	138950	20.000	ng	0.00
64) Phenanthrene-d10	17.529	188	289662	20.000	ng	0.00
76) Chrysene-d12	21.824	240	265334	20.000	ng	0.00
86) Perylene-d12	25.191	264	284145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	304155	101.474	ng	0.00
7) Phenol-d6	7.300	99	408382	99.626	ng	0.00
23) Nitrobenzene-d5	9.321	82	247252	58.698	ng	0.00
42) 2,4,6-Tribromophenol	16.266	330	157518	90.722	ng	0.00
45) 2-Fluorobiphenyl	13.404	172	577217	62.437	ng	0.00
79) Terphenyl-d14	20.126	244	835246	62.372	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.509	152	54323	4.201	ng	98
52) Acenaphthene	14.844	154	25400	3.058	ng	98
58) Fluorene	15.825	166	35958	3.497	ng	99
71) Phenanthrene	17.570	178	563141	36.495	ng	99
72) Anthracene	17.658	178	105478	7.031	ng	99
73) Carbazole	17.928	167	48092	3.479	ng	97
75) Fluoranthene	19.579	202	1162184	61.913	ng	98
78) Pyrene	19.938	202	1142675	61.761	ng	97
81) Benzo(a)anthracene	21.800	228	560900	31.178	ng	98
83) Chrysene	21.871	228	566580	32.938	ng	97
87) Indeno(1,2,3-cd)pyrene	29.074	276	379032	17.571	ng	# 96
88) Benzo(b)fluoranthene	24.121	252	750470	42.103	ng	99
89) Benzo(k)fluoranthene	24.186	252	241568m	13.466	ng	
90) Benzo(a)pyrene	25.038	252	576763	37.873	ng	99
91) Dibenzo(a,h)anthracene	29.127	278	90388m	5.143	ng	
92) Benzo(g,h,i)perylene	30.285	276	407254	22.939	ng	98

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

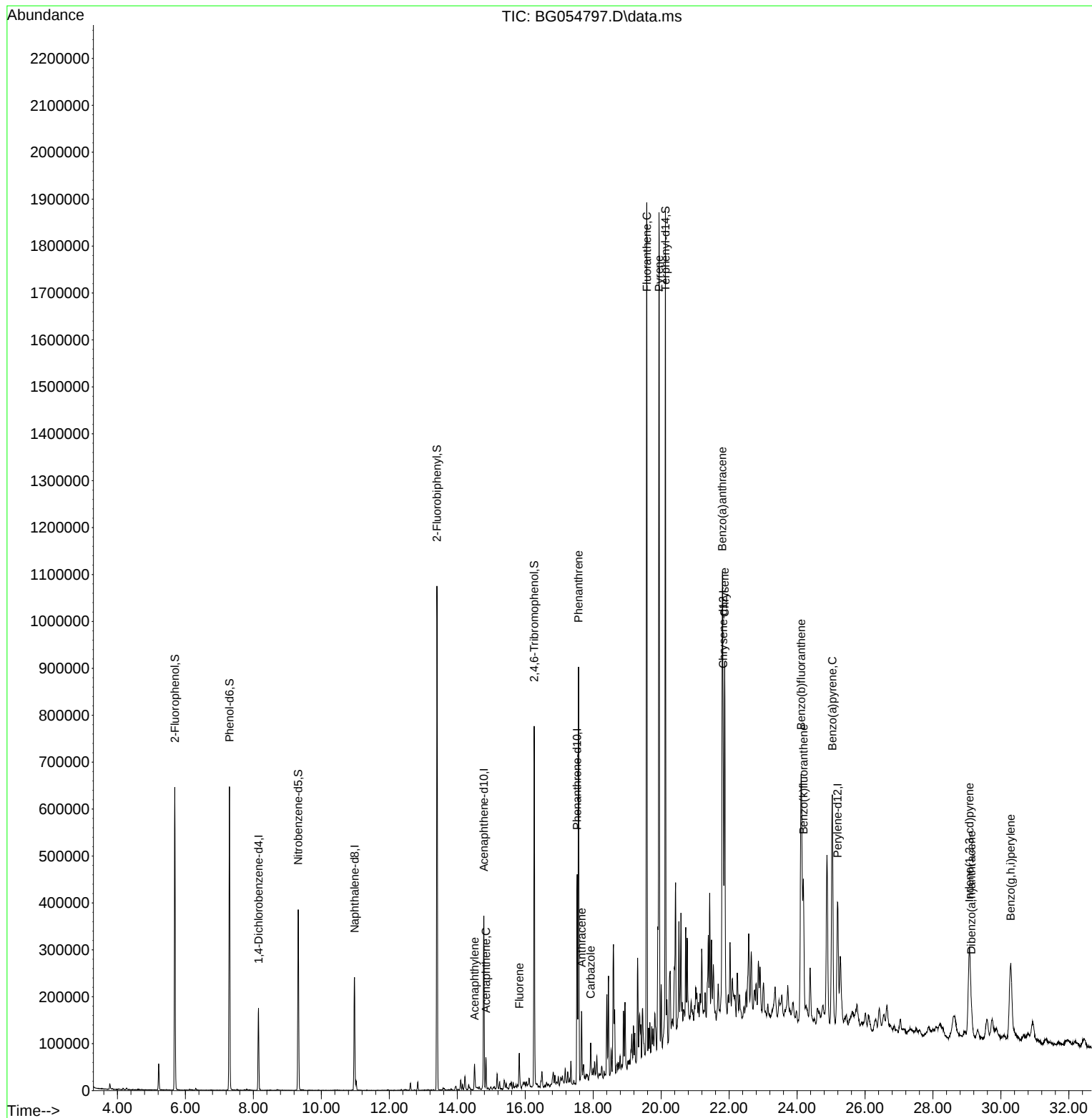
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
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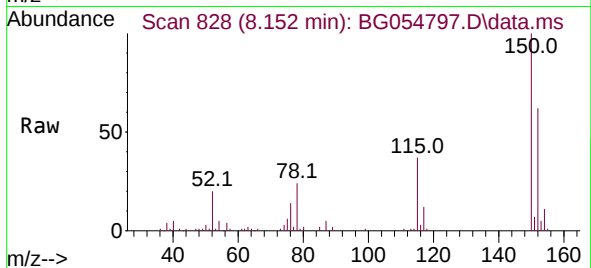
Reviewed By : Christian Giraldo 08/31/2022
Supervised By : Jagrut Upadhyay 08/31/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.152 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09

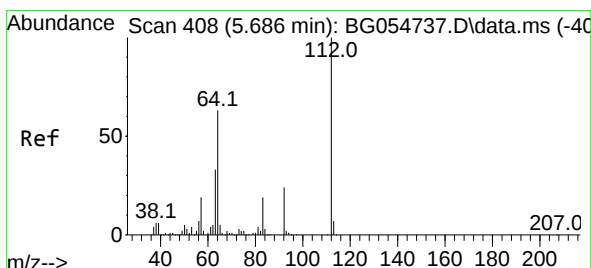
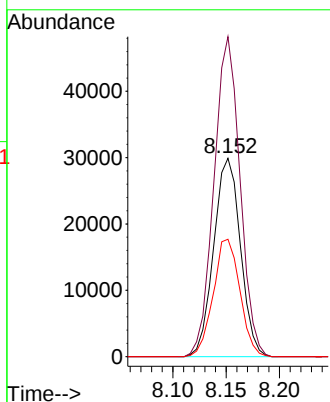
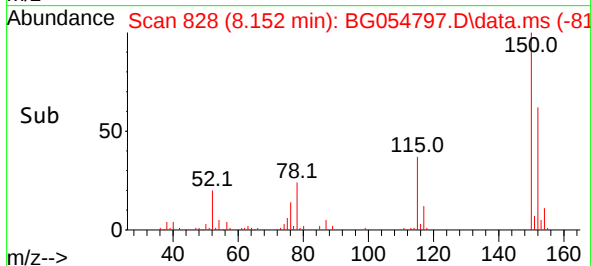
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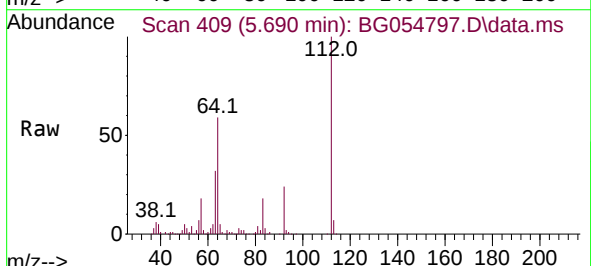
Tgt Ion:152 Resp: 52195
 Ion Ratio Lower Upper
 152 100
 150 161.3 125.2 187.8
 115 59.2 47.9 71.9

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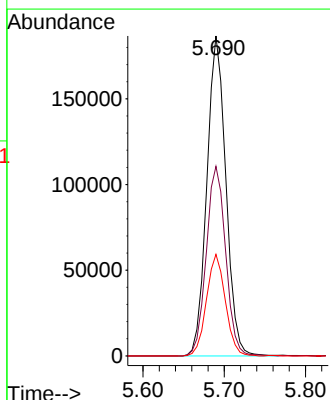
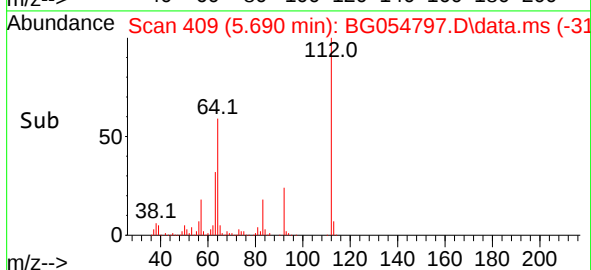
Reviewed By :Christian Giraldo 08/31/2022
 Supervised By :Jagrut Upadhyay 08/31/2022

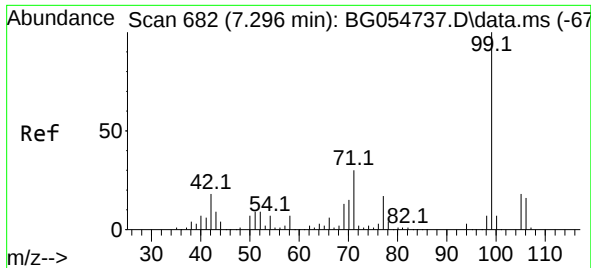


#5
 2-Fluorophenol
 Concen: 101.474 ng
 RT: 5.690 min Scan# 409
 Delta R.T. 0.004 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09



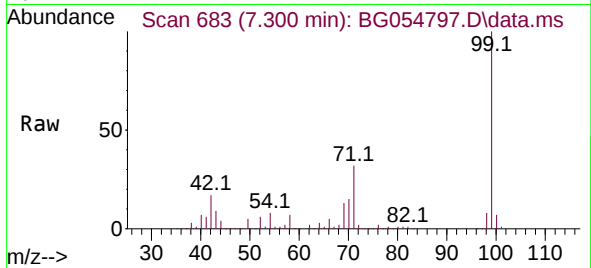
Tgt Ion:112 Resp: 304155
 Ion Ratio Lower Upper
 112 100
 64 59.2 49.3 73.9
 63 31.7 26.3 39.5





#7
Phenol-d6
Concen: 99.626 ng
RT: 7.300 min Scan# 682
Delta R.T. 0.004 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

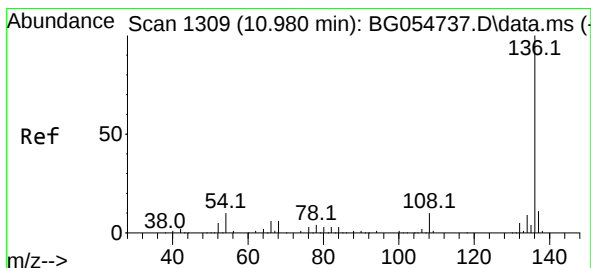
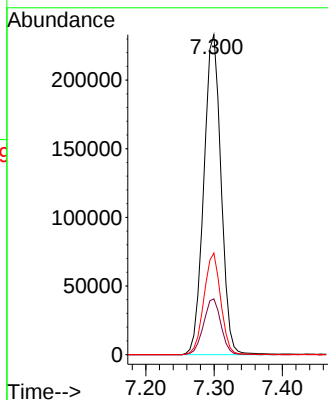
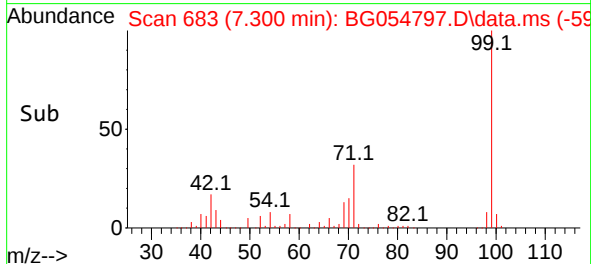
Instrument :
BNA_G
ClientSampleId :
OR-02-082622



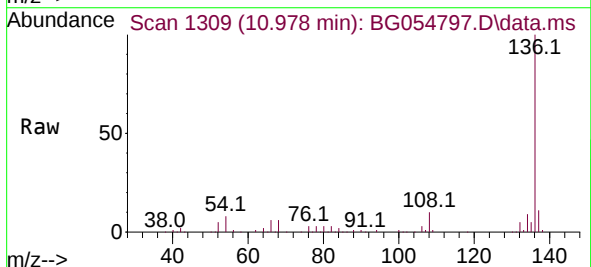
Tgt Ion: 99 Resp: 408382
Ion Ratio Lower Upper
99 100
42 17.4 14.6 22.0
71 31.7 24.6 37.0

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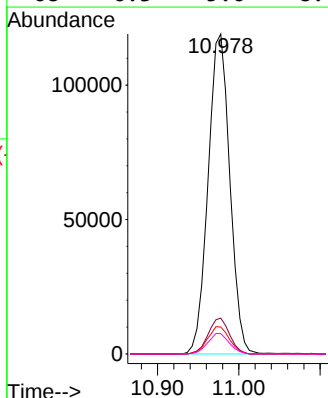
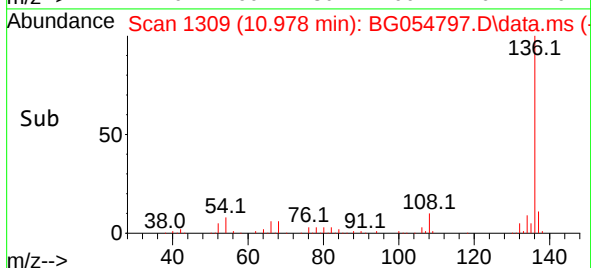
Reviewed By :Christian Giraldo 08/31/2022
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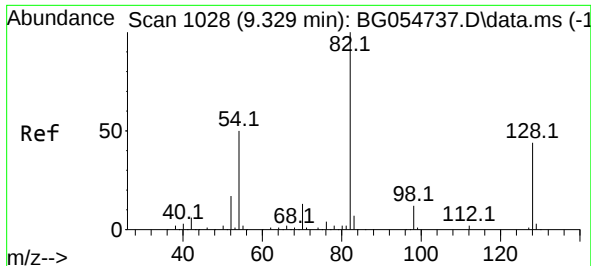


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1309
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09



Tgt Ion:136 Resp: 221129
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.4 7.7 11.5
68 6.3 5.6 8.4





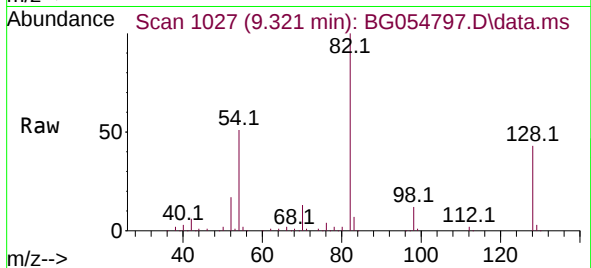
#23
Nitrobenzene-d5
Concen: 58.698 ng
RT: 9.321 min Scan# 1027
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Instrument :

BNA_G

ClientSampleId :

OR-02-082622

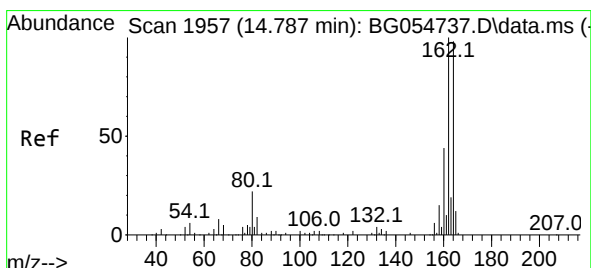
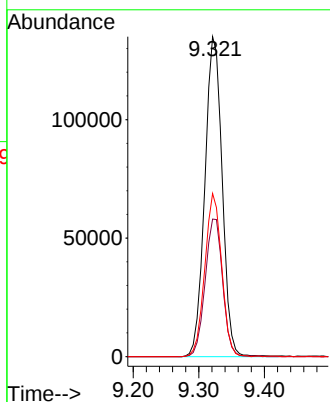
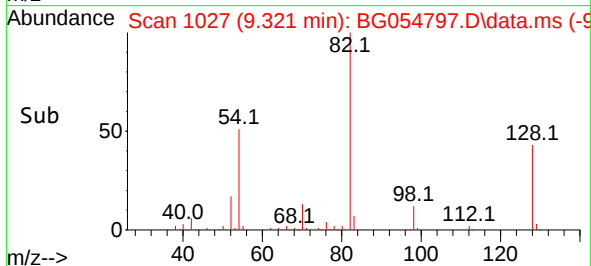


Tgt Ion: 82 Resp: 247252
Ion Ratio Lower Upper
82 100
128 43.0 32.2 48.2
54 51.0 41.4 62.0

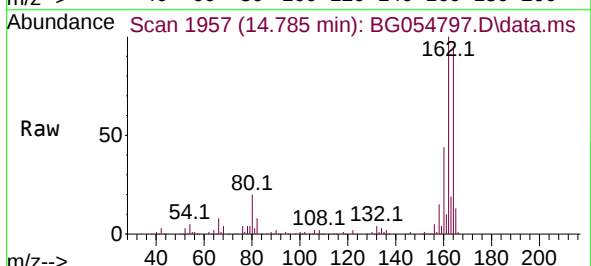
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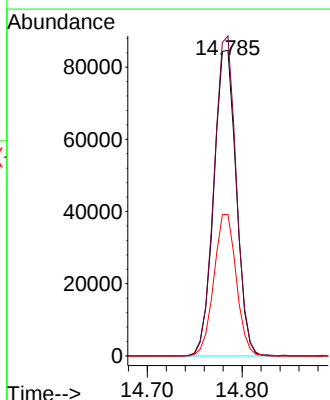
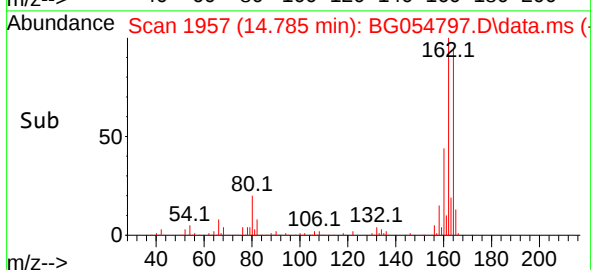
Reviewed By :Christian Giraldo 08/31/2022
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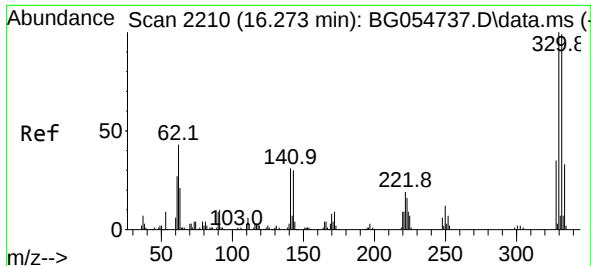


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.785 min Scan# 1957
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09



Tgt Ion:164 Resp: 138950
Ion Ratio Lower Upper
164 100
162 104.8 83.0 124.4
160 46.3 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 90.722 ng
RT: 16.266 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Instrument :

BNA_G

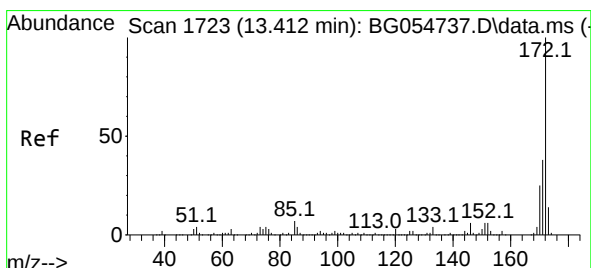
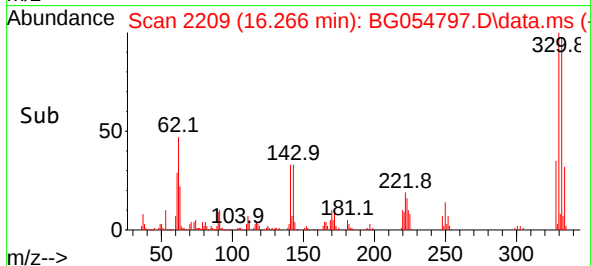
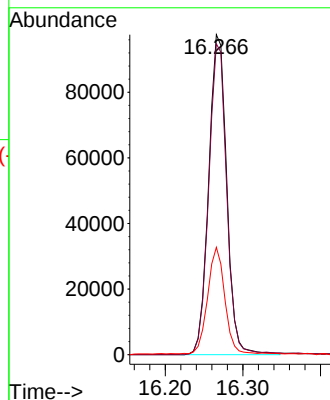
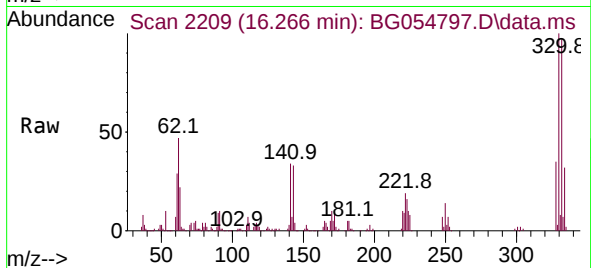
ClientSampleId :

OR-02-082622

Tgt Ion:330 Resp: 157518
Ion Ratio Lower Upper
330 100
332 96.5 79.8 119.6
141 31.8 26.8 40.2

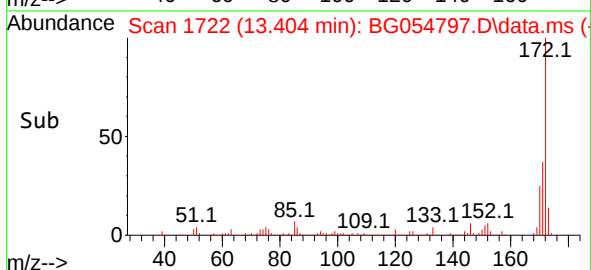
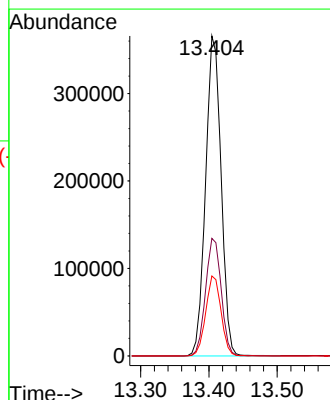
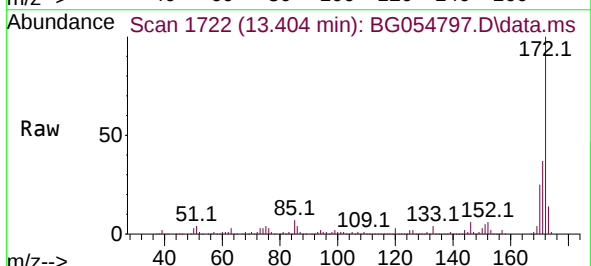
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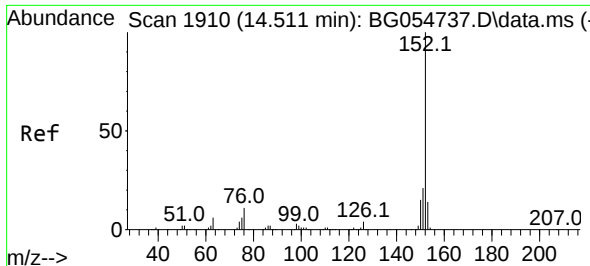
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#45
2-Fluorobiphenyl
Concen: 62.437 ng
RT: 13.404 min Scan# 1722
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion:172 Resp: 577217
Ion Ratio Lower Upper
172 100
171 36.7 31.2 46.8
170 25.0 20.6 30.8





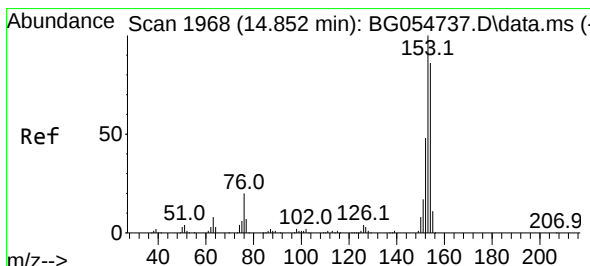
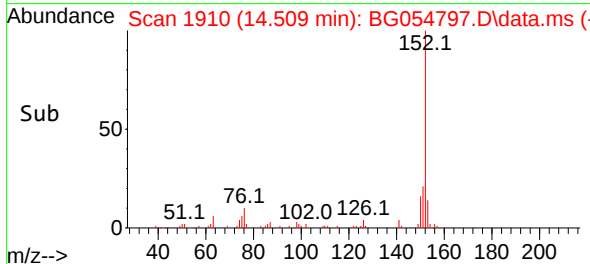
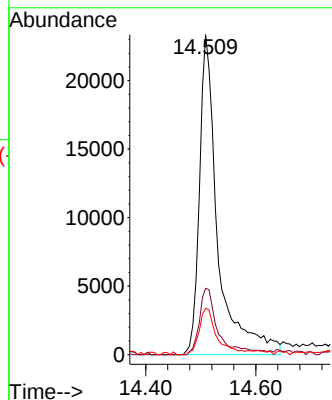
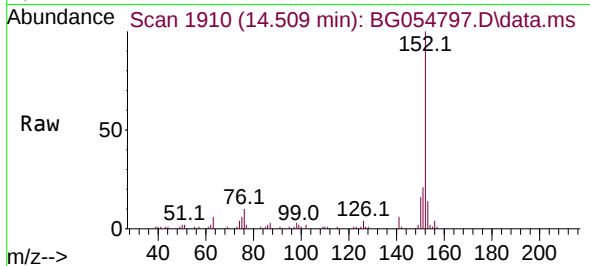
#49
Acenaphthylene
Concen: 4.201 ng
RT: 14.509 min Scan# 1910
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Instrument :
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ClientSampleId :
OR-02-082622

Tgt Ion:152 Resp: 54323
Ion Ratio Lower Upper
152 100
151 20.7 17.3 25.9
153 14.5 10.8 16.2

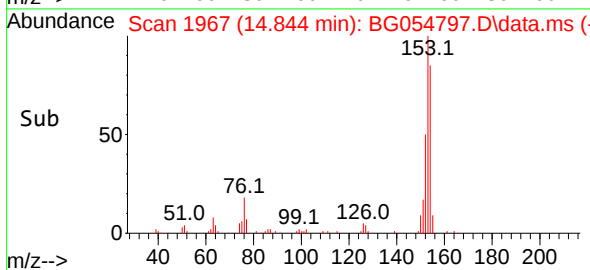
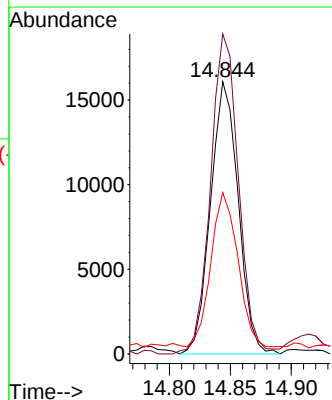
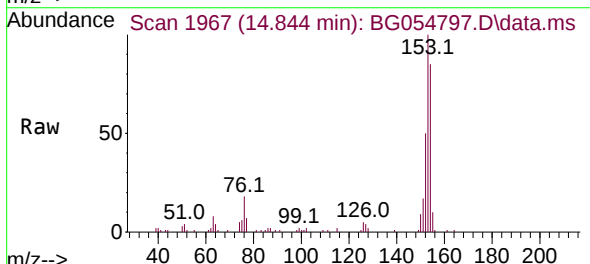
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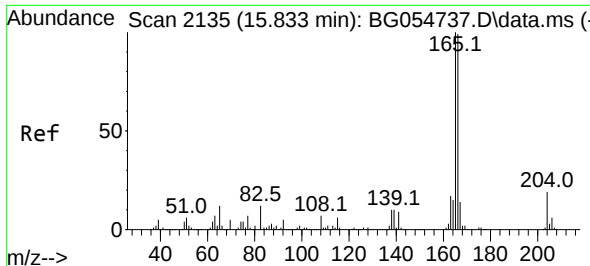
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#52
Acenaphthene
Concen: 3.058 ng
RT: 14.844 min Scan# 1967
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

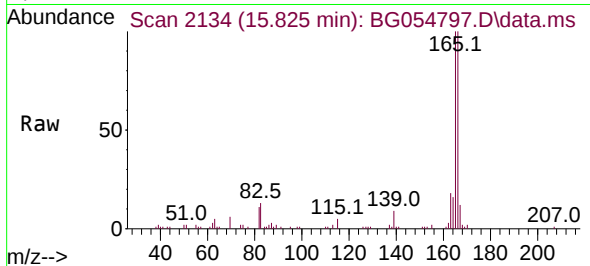
Tgt Ion:154 Resp: 25400
Ion Ratio Lower Upper
154 100
153 117.6 92.8 139.2
152 59.2 45.4 68.2





#58
Fluorene
Concen: 3.497 ng
RT: 15.825 min Scan# 2135
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

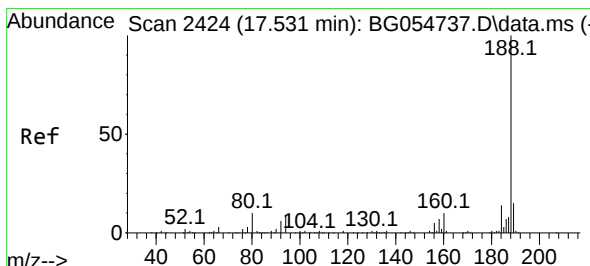
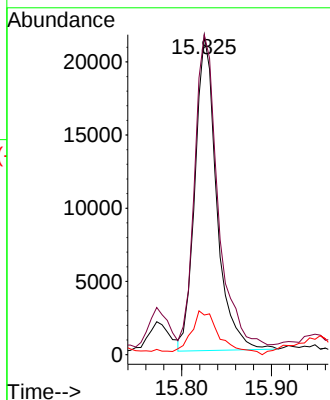
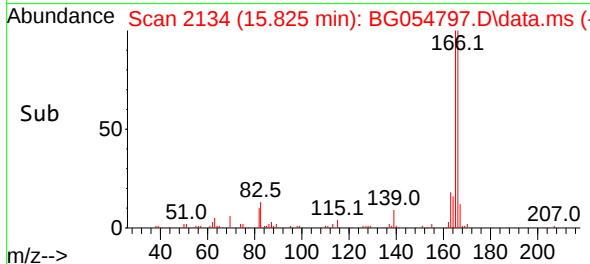
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Tgt Ion:166 Resp: 35958
Ion Ratio Lower Upper
166 100
165 100.2 80.8 121.2
167 12.4 11.4 17.0

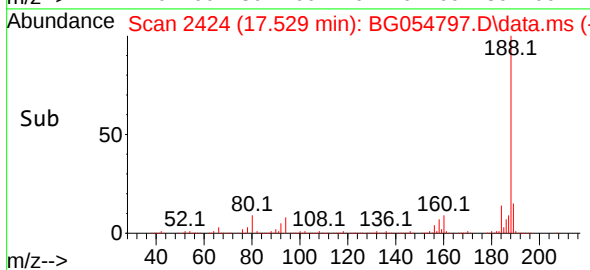
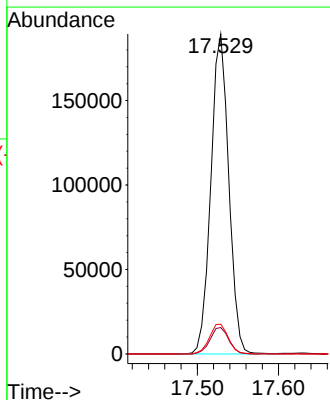
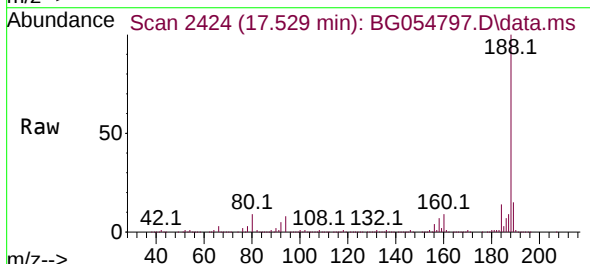
Manual Integrations
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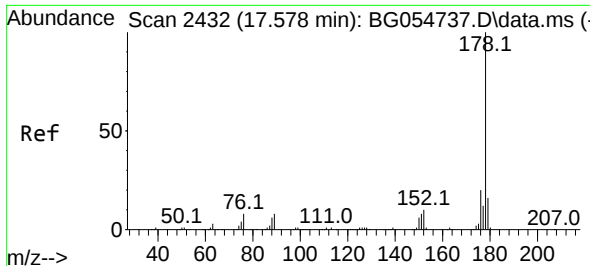
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.529 min Scan# 2424
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

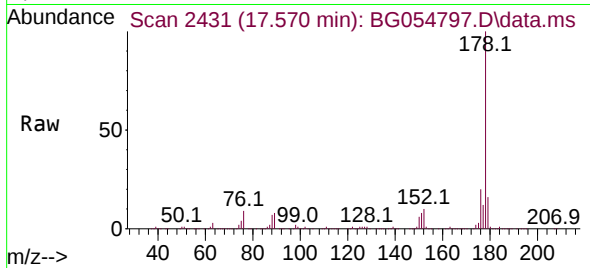
Tgt Ion:188 Resp: 289662
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 9.3 7.9 11.9





#71
Phenanthrene
Concen: 36.495 ng
RT: 17.570 min Scan# 2432
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

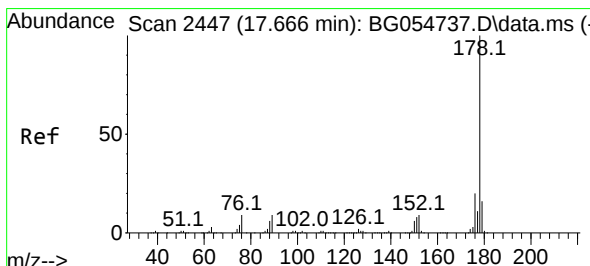
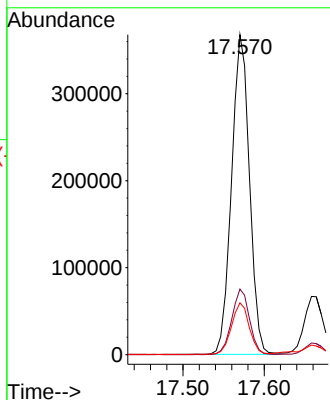
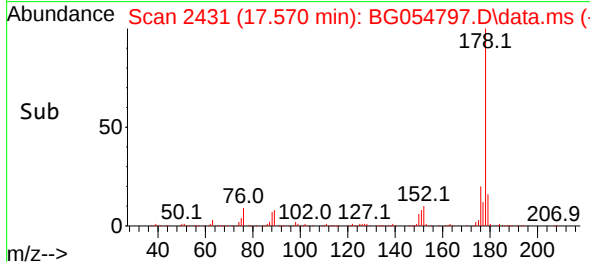
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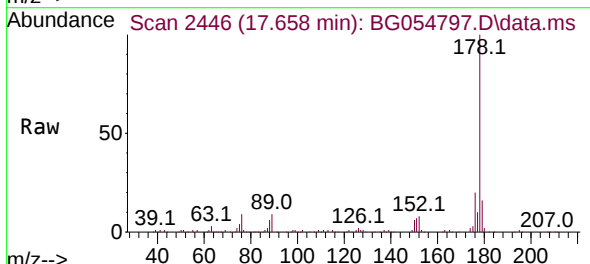
Tgt Ion:178 Resp: 56314
Ion Ratio Lower Upper
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176 20.5 16.6 25.0
179 16.2 12.8 19.2

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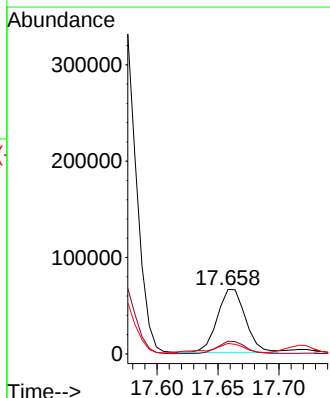
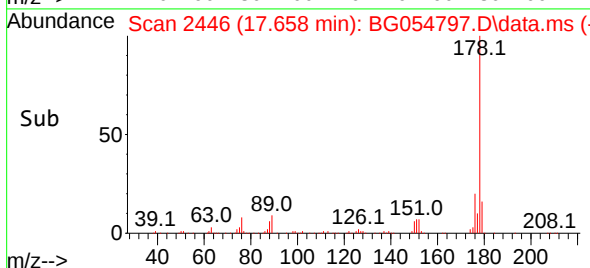
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022

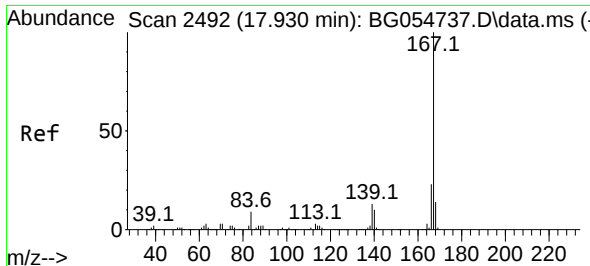


#72
Anthracene
Concen: 7.031 ng
RT: 17.658 min Scan# 2446
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09



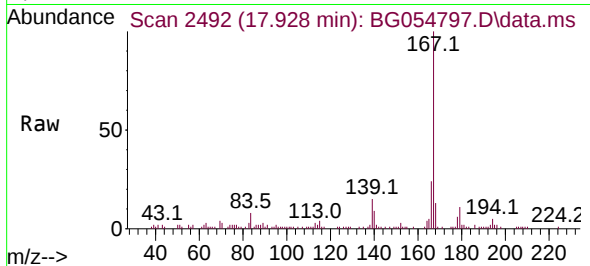
Tgt Ion:178 Resp: 105478
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 16.3 12.9 19.3





#73
 Carbazole
 Concen: 3.479 ng
 RT: 17.928 min Scan# 2492
 Delta R.T. -0.002 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09

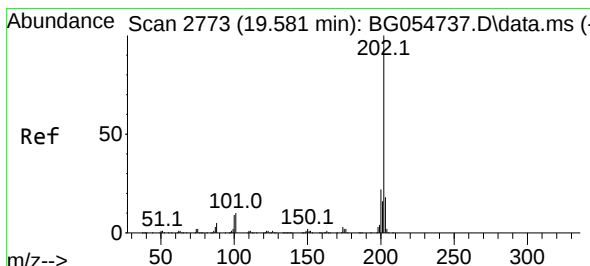
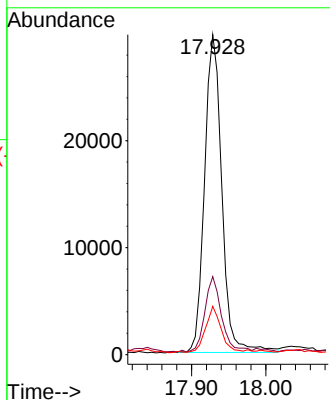
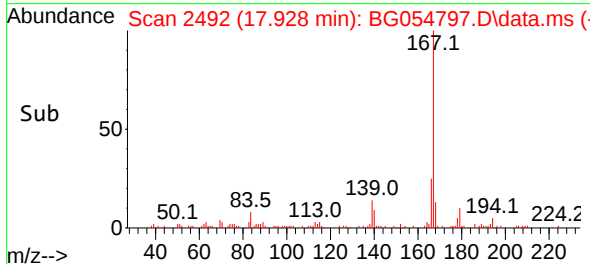
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-082622



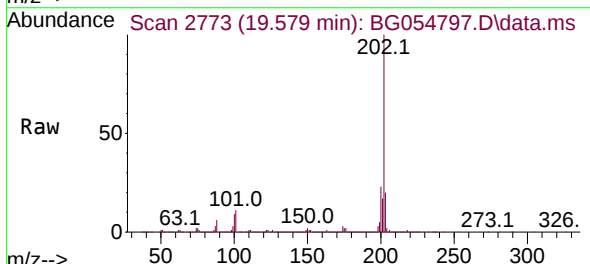
Tgt Ion:167 Resp: 48092
 Ion Ratio Lower Upper
 167 100
 166 24.4 18.8 28.2
 139 15.1 10.2 15.4

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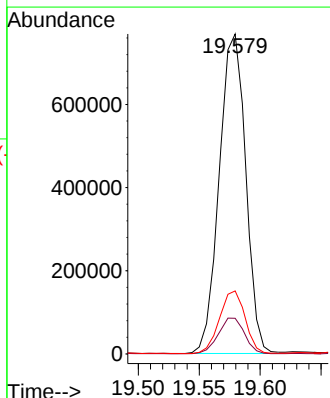
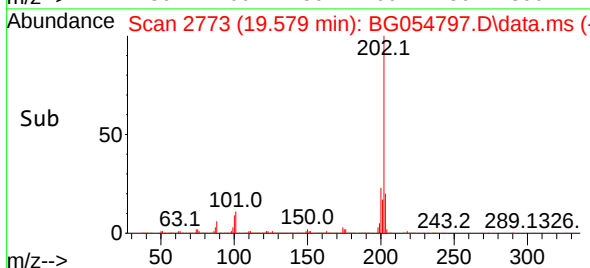
Reviewed By :Christian Giraldo 08/31/2022
 Supervised By :Jagrut Upadhyay 08/31/2022

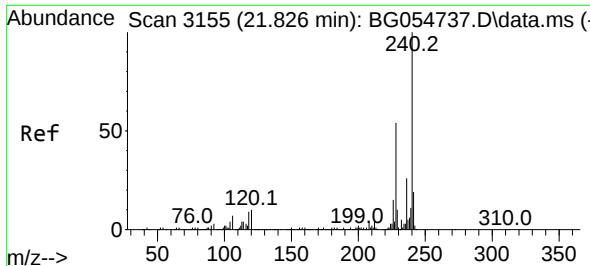


#75
 Fluoranthene
 Concen: 61.913 ng
 RT: 19.579 min Scan# 2773
 Delta R.T. -0.002 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09



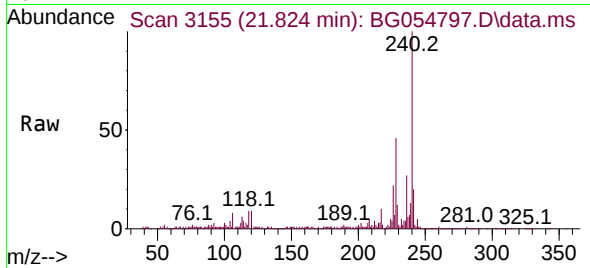
Tgt Ion:202 Resp: 1162184
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.4
 203 19.7 0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.824 min Scan# 3155
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

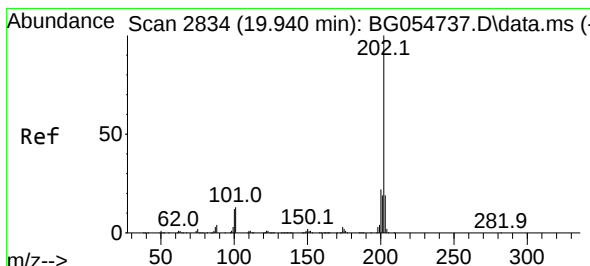
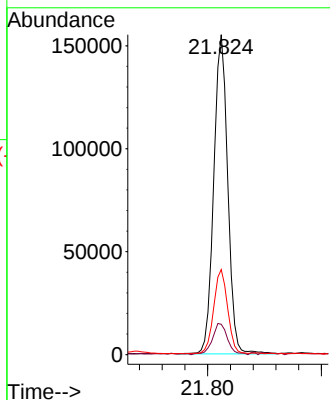
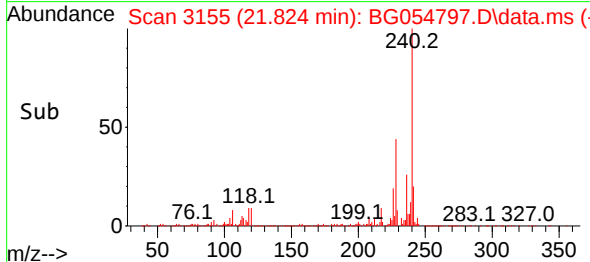
Instrument :
BNA_G
ClientSampleId :
OR-02-082622



Tgt Ion:240 Resp: 265334
Ion Ratio Lower Upper
240 100
120 9.5 8.2 12.4
236 26.6 21.2 31.8

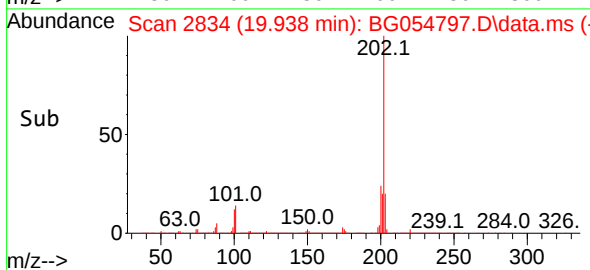
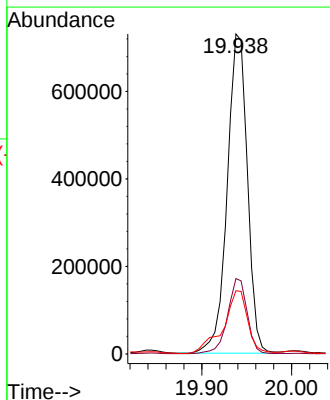
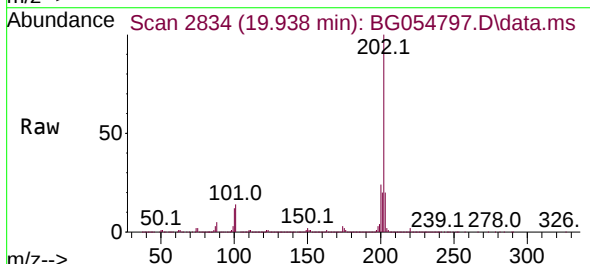
Manual Integrations
APPROVED

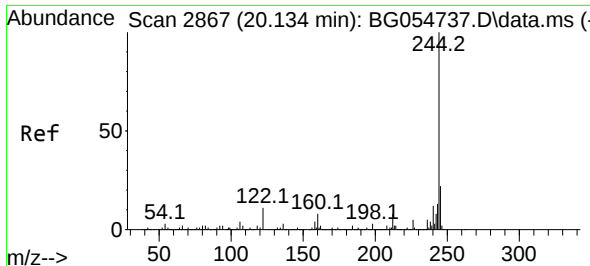
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#78
Pyrene
Concen: 61.761 ng
RT: 19.938 min Scan# 2834
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

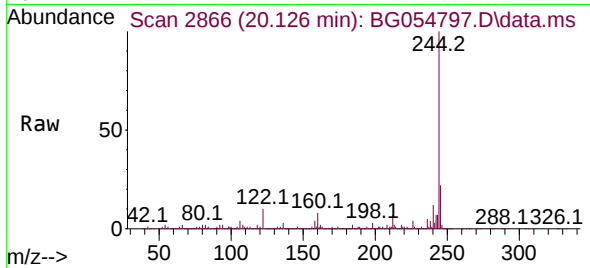
Tgt Ion:202 Resp: 1142675
Ion Ratio Lower Upper
202 100
200 23.5 17.8 26.6
203 19.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 62.372 ng
 RT: 20.126 min Scan# 2866
 Delta R.T. -0.008 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09

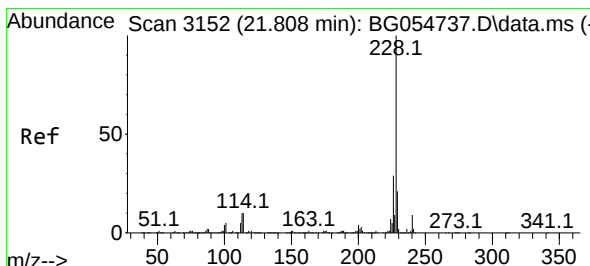
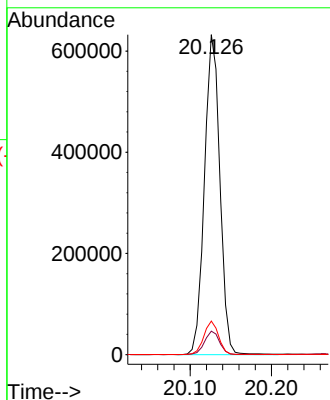
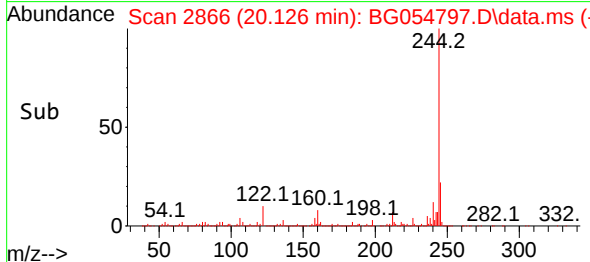
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-082622



Tgt Ion:244 Resp: 835246
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 10.5 9.0 13.6

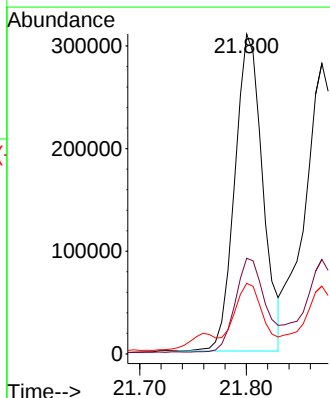
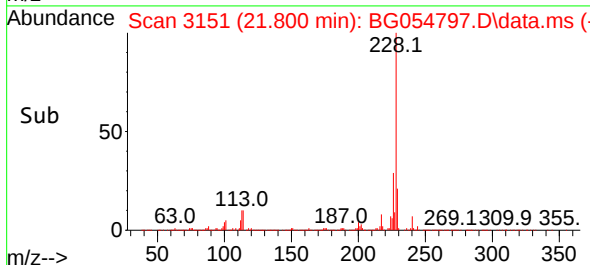
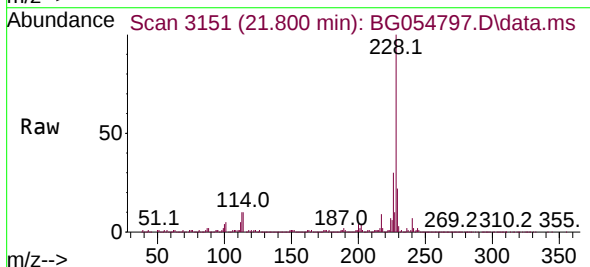
Manual Integrations
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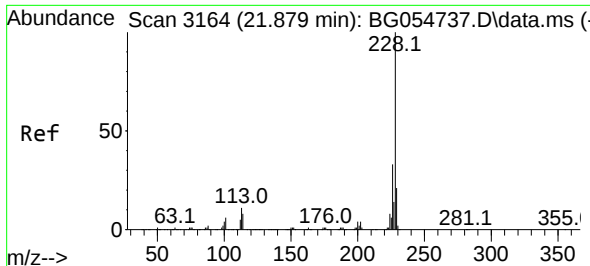
Reviewed By :Christian Giraldo 08/31/2022
 Supervised By :Jagrut Upadhyay 08/31/2022



#81
 Benzo(a)anthracene
 Concen: 31.178 ng
 RT: 21.800 min Scan# 3151
 Delta R.T. -0.008 min
 Lab File: BG054797.D
 Acq: 30 Aug 2022 20:09

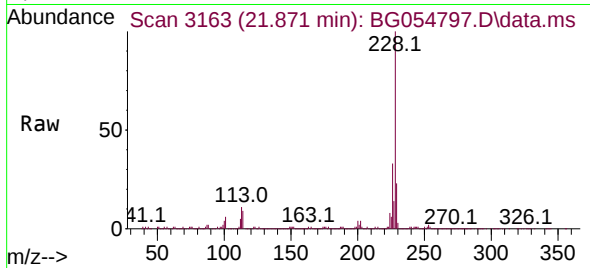
Tgt Ion:228 Resp: 560900
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.4 35.2
 229 22.0 16.5 24.7





#83
Chrysene
Concen: 32.938 ng
RT: 21.871 min Scan# 3163
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

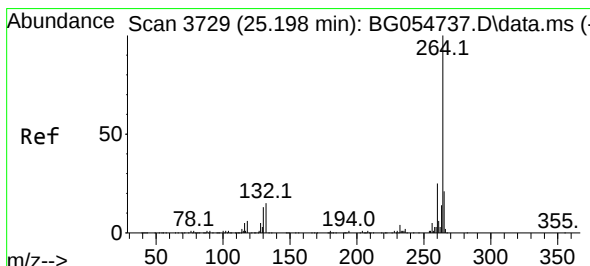
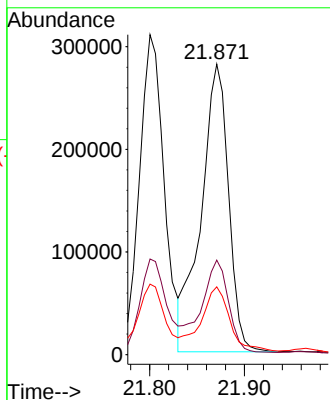
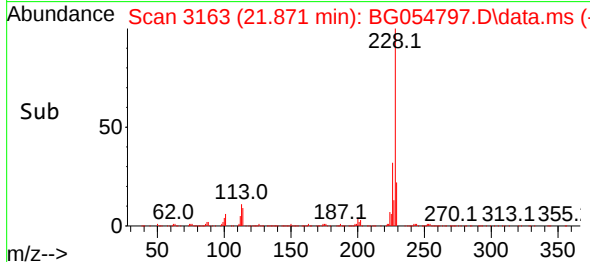
Instrument :
BNA_G
ClientSampleId :
OR-02-082622



Tgt Ion:228 Resp: 566580
Ion Ratio Lower Upper
228 100
226 32.5 25.5 38.3
229 23.4 16.8 25.2

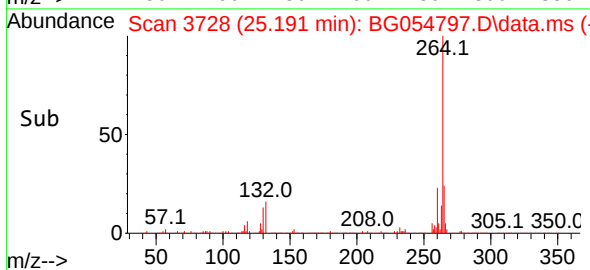
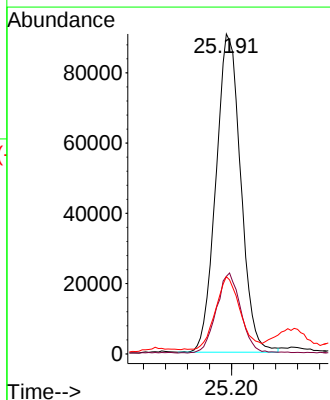
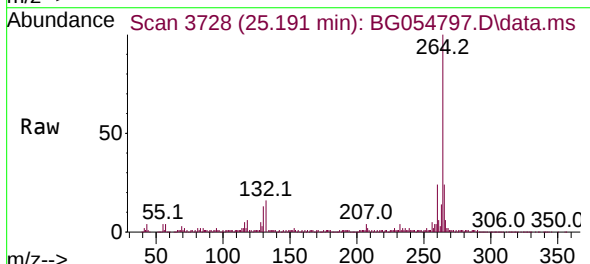
Manual Integrations
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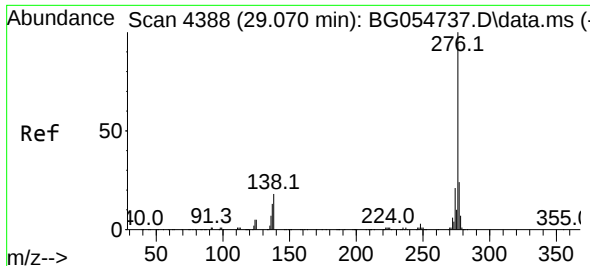
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 3728
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

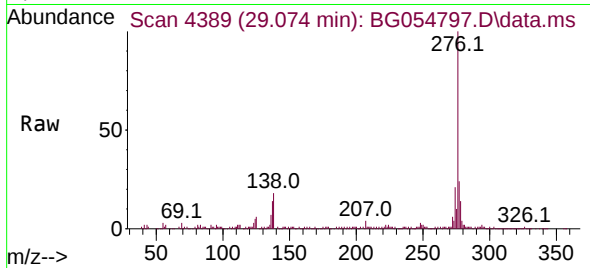
Tgt Ion:264 Resp: 284145
Ion Ratio Lower Upper
264 100
260 24.2 19.9 29.9
265 24.1 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 17.571 ng
RT: 29.074 min Scan# 4388
Delta R.T. 0.004 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

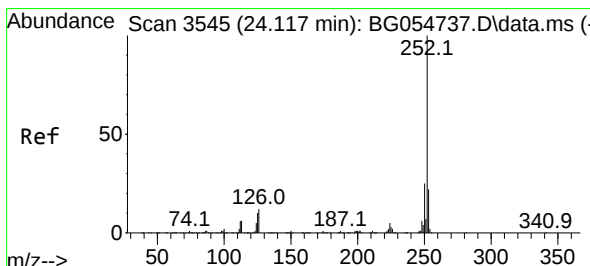
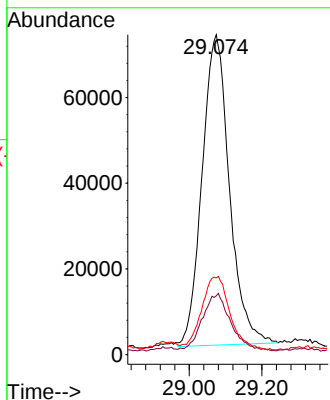
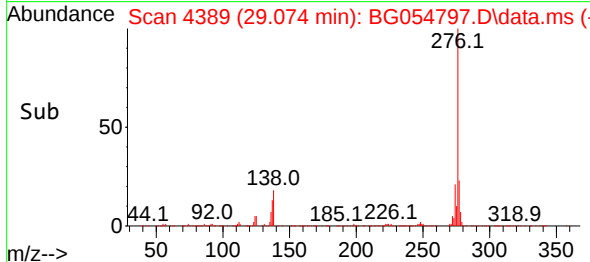
Instrument :
BNA_G
ClientSampleId :
OR-02-082622



Tgt Ion: 276 Resp: 379032
Ion Ratio Lower Upper
276 100
138 19.1 12.0 18.0
277 24.8 20.2 30.4

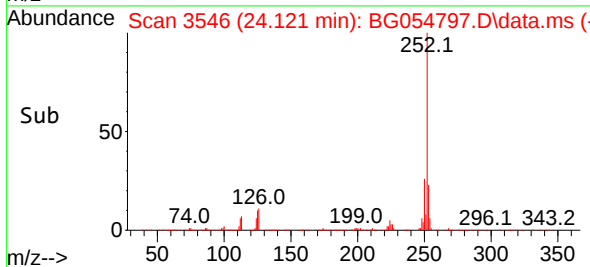
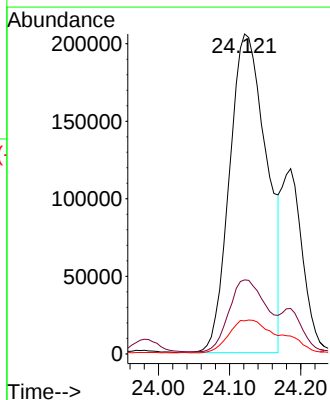
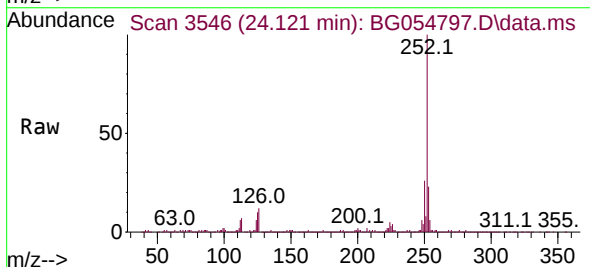
Manual Integrations
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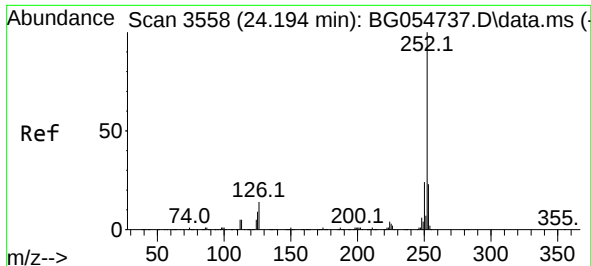
Reviewed By : Christian Giraldo 08/31/2022
Supervised By : Jagrut Upadhyay 08/31/2022



#88
Benzo(b)fluoranthene
Concen: 42.103 ng
RT: 24.121 min Scan# 3546
Delta R.T. 0.004 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

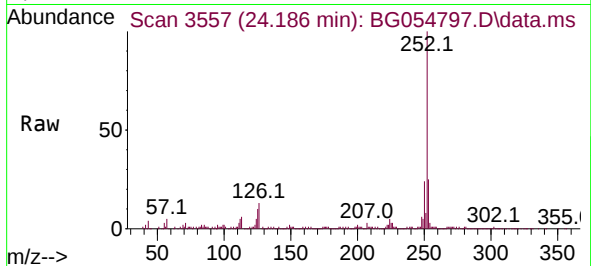
Tgt Ion: 252 Resp: 750470
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.3 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 13.466 ng m
RT: 24.186 min Scan# 3558
Delta R.T. -0.008 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

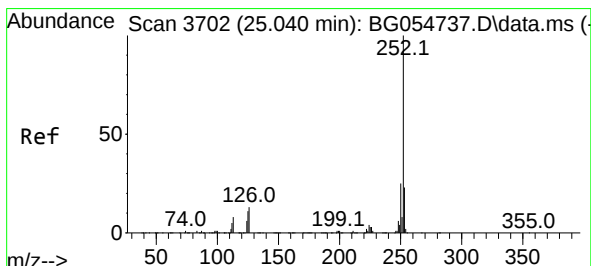
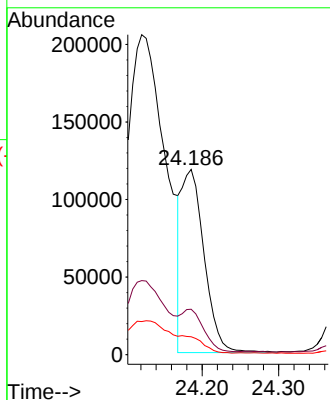
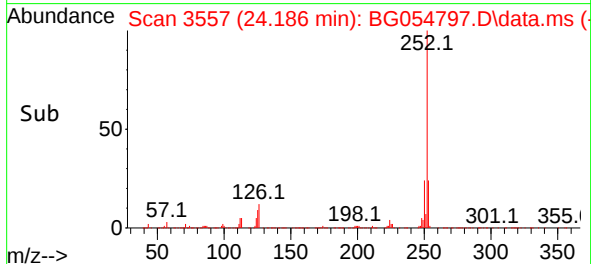
Instrument :
BNA_G
ClientSampleId :
OR-02-082622



Tgt Ion:252 Resp: 241568
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 9.6 8.2 12.4

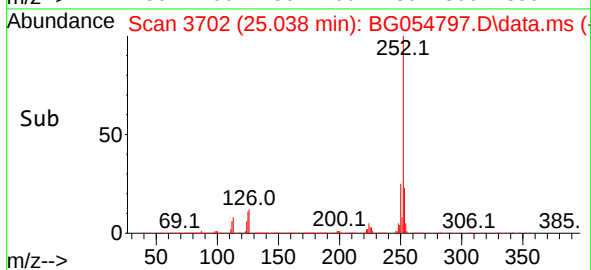
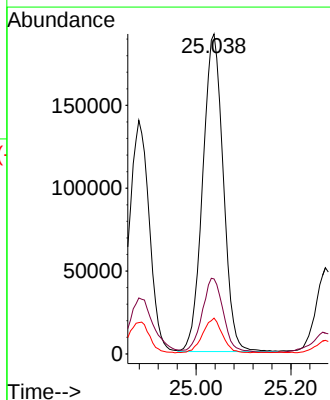
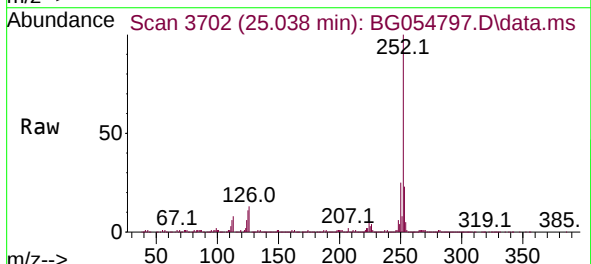
Manual Integrations
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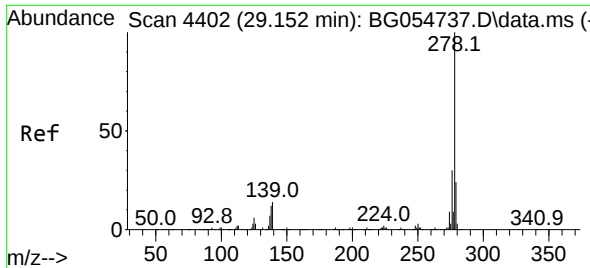
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#90
Benzo(a)pyrene
Concen: 37.873 ng
RT: 25.038 min Scan# 3702
Delta R.T. -0.002 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

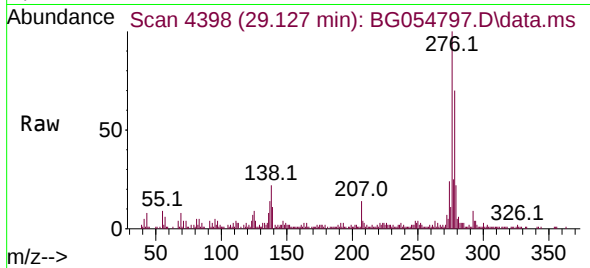
Tgt Ion:252 Resp: 576763
Ion Ratio Lower Upper
252 100
253 23.4 18.3 27.5
125 11.2 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 5.143 ng m
RT: 29.127 min Scan# 4398
Delta R.T. -0.025 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

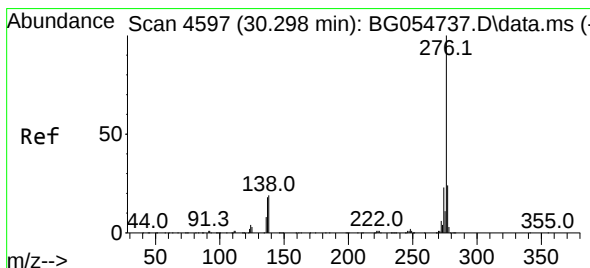
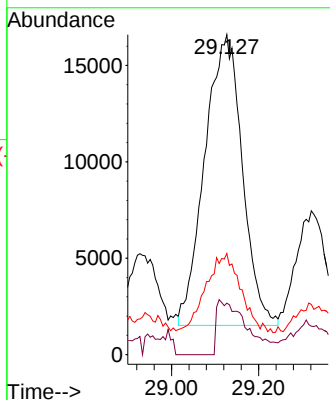
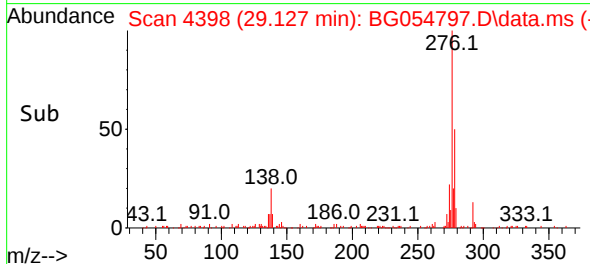
Instrument :
BNA_G
ClientSampleId :
OR-02-082622



Tgt Ion: 278 Resp: 90388
Ion Ratio Lower Upper
278 100
139 16.1 11.4 17.2
279 31.6 19.3 28.9

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



#92
Benzo(g,h,i)perylene
Concen: 22.939 ng
RT: 30.285 min Scan# 4595
Delta R.T. -0.014 min
Lab File: BG054797.D
Acq: 30 Aug 2022 20:09

Tgt Ion: 276 Resp: 407254
Ion Ratio Lower Upper
276 100
277 23.9 19.4 29.0
138 19.1 16.6 25.0

