

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055752.D
 Acq On : 22 Nov 2022 23:26
 Operator : CG/JU
 Sample : N5749-22
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-84

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/23/2022
 Supervised By : Jagrut Upadhyay 11/23/2022

Quant Time: Nov 23 01:41:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:35:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.246	152	46259	20.000	ng	0.00
21) Naphthalene-d8	11.072	136	194703	20.000	ng	0.00
39) Acenaphthene-d10	14.867	164	125555	20.000	ng	0.00
64) Phenanthrene-d10	17.611	188	259885	20.000	ng	0.00
76) Chrysene-d12	21.906	240	244740	20.000	ng	0.00
86) Perylene-d12	25.320	264	269200	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.778	112	284903	111.323	ng	0.00
7) Phenol-d6	7.388	99	368615	108.200	ng	0.00
23) Nitrobenzene-d5	9.415	82	235085	63.817	ng	0.00
42) 2,4,6-Tribromophenol	16.354	330	166192	94.001	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	508559	60.681	ng	0.00
79) Terphenyl-d14	20.197	244	668867	54.663	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.125	128	40907	3.887	ng	97
37) 2-Methylnaphthalene	12.711	142	23307	2.957	ng	99
38) 1-Methylnaphthalene	12.929	142	27399	3.581	ng	99
55) Dibenzofuran	15.261	168	40510	3.431	ng	# 97
58) Fluorene	15.907	166	60349	6.399	ng	99
71) Phenanthrene	17.652	178	712189	50.782	ng	100
72) Anthracene	17.741	178	62992	4.623	ng	99
73) Carbazole	18.005	167	51987	4.244	ng	98
75) Fluoranthene	19.650	202	796501	46.683	ng	99
78) Pyrene	20.014	202	774337	46.743	ng	99
81) Benzo(a)anthracene	21.889	228	377101	22.371	ng	99
83) Chrysene	21.959	228	384682	23.972	ng	99
87) Indeno(1,2,3-cd)pyrene	29.245	276	172386	7.817	ng	# 84
88) Benzo(b)fluoranthene	24.233	252	457035	26.069	ng	98
89) Benzo(k)fluoranthene	24.298	252	174698m	9.997	ng	
90) Benzo(a)pyrene	25.161	252	355198	23.610	ng	98
91) Dibenzo(a,h)anthracene	29.298	278	45207	2.508	ng	# 89
92) Benzo(g,h,i)perylene	30.479	276	154208	8.490	ng	100

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

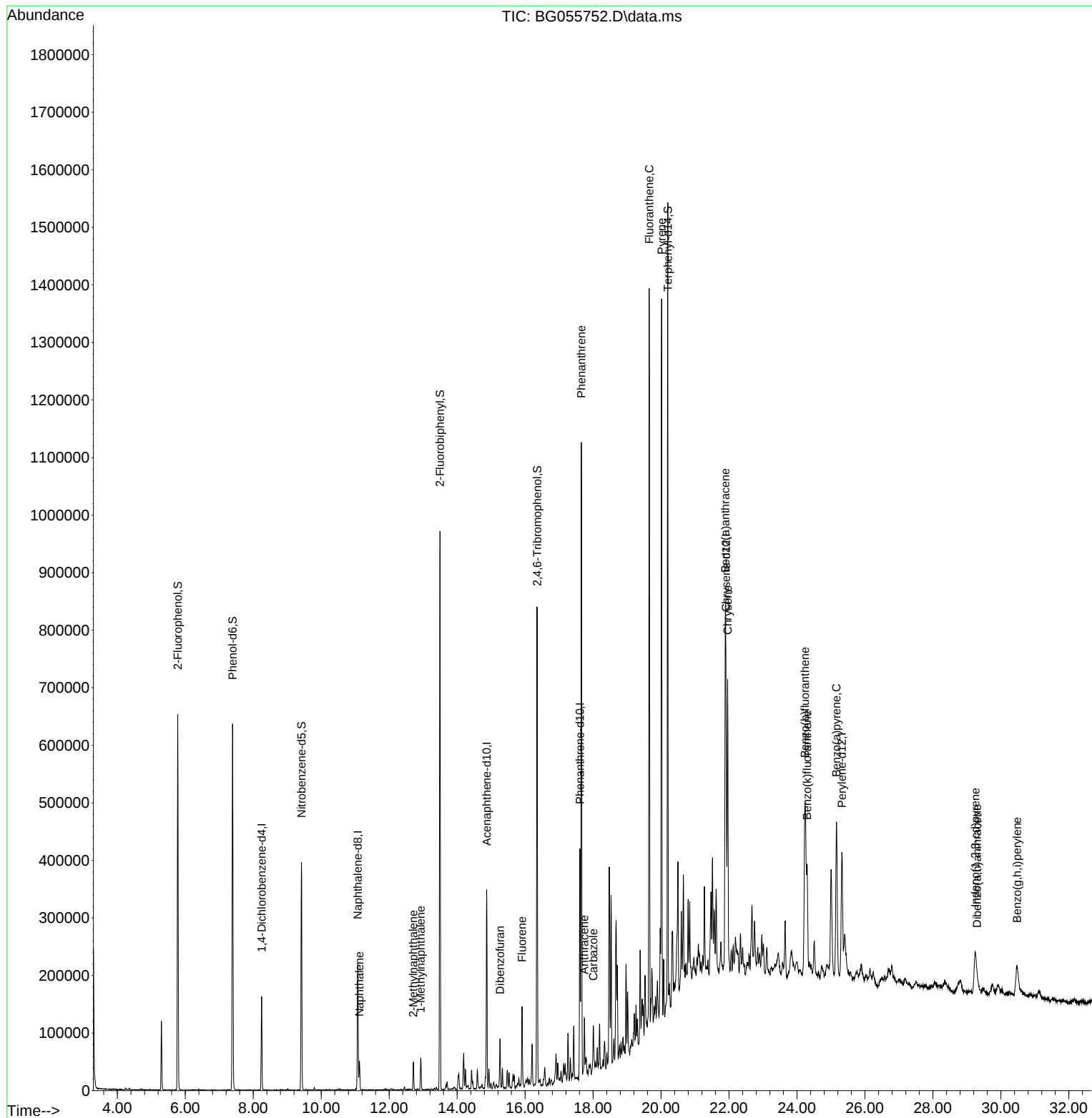
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
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Quant Time: Nov 23 01:41:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 01:35:20 2022
Response via : Initial Calibration

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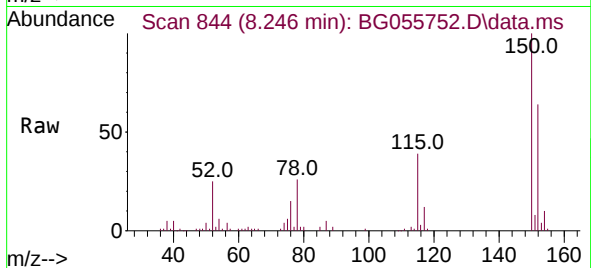
Reviewed By : Christian Giraldo 11/23/2022
Supervised By : Jagrut Upadhyay 11/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.246 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

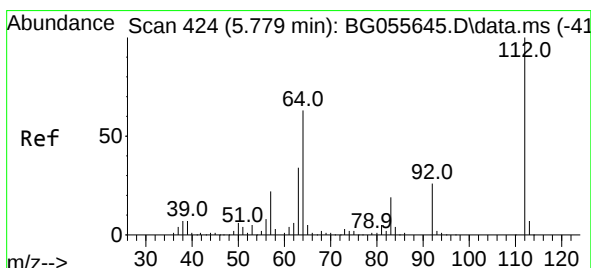
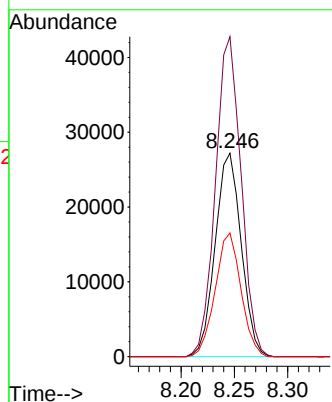
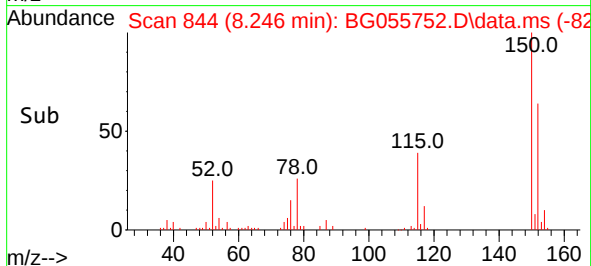
Instrument :
BNA_G
ClientSampleId :
MH-84



Tgt Ion:152 Resp: 46259
Ion Ratio Lower Upper
152 100
150 157.3 123.0 184.6
115 60.8 47.0 70.4

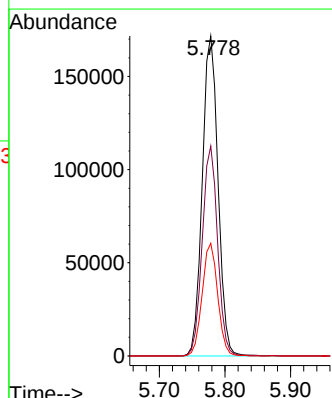
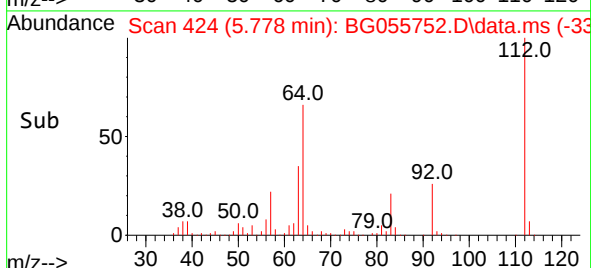
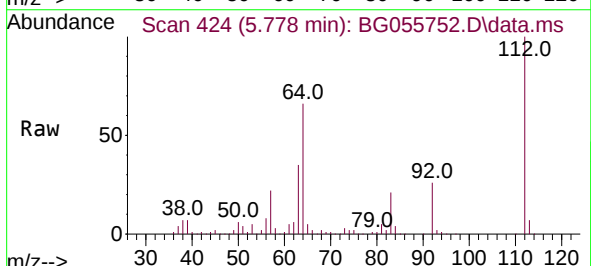
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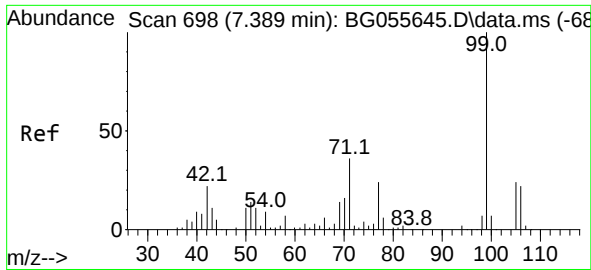
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#5
2-Fluorophenol
Concen: 111.323 ng
RT: 5.778 min Scan# 424
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:112 Resp: 284903
Ion Ratio Lower Upper
112 100
64 65.6 50.6 76.0
63 35.2 27.5 41.3





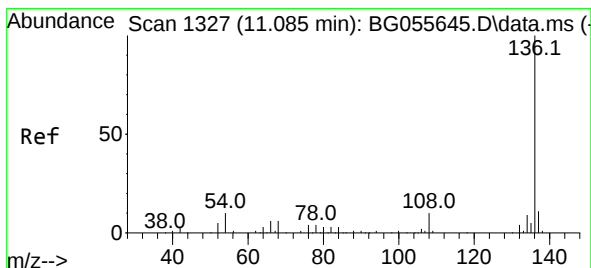
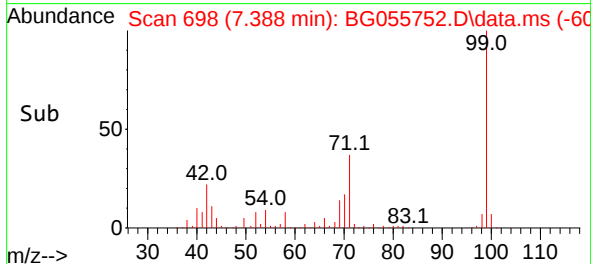
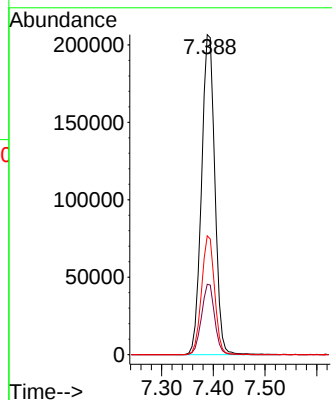
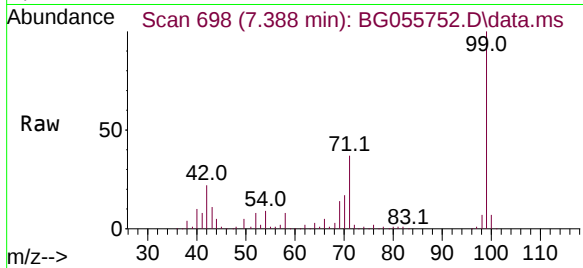
#7
Phenol-d6
Concen: 108.200 ng
RT: 7.388 min Scan# 698
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Instrument :
BNA_G
ClientSampleId :
MH-84

Tgt Ion: 99 Resp: 368615
Ion Ratio Lower Upper
99 100
42 22.0 18.0 27.0
71 37.1 29.0 43.6

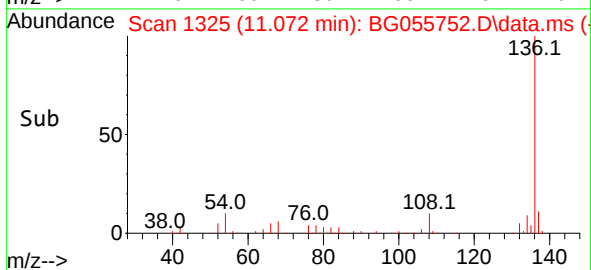
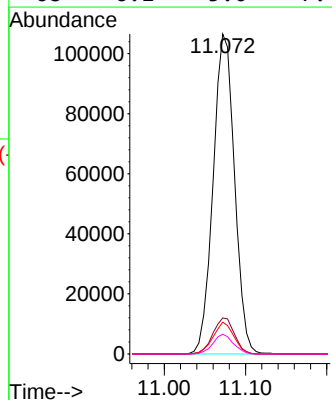
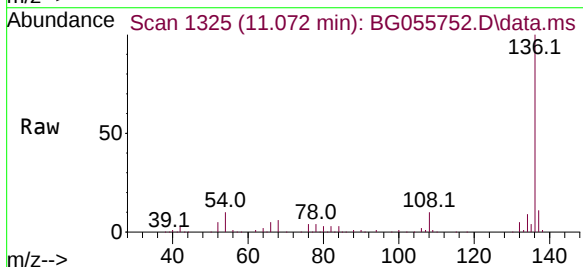
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.072 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:136 Resp: 194703
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 9.9 7.8 11.6
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 63.817 ng

RT: 9.415 min Scan# 1043

Delta R.T. -0.000 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

Instrument :

BNA_G

ClientSampleId :

MH-84

Tgt Ion: 82 Resp: 235085

Ion Ratio Lower Upper

82 100

128 43.4 34.1 51.1

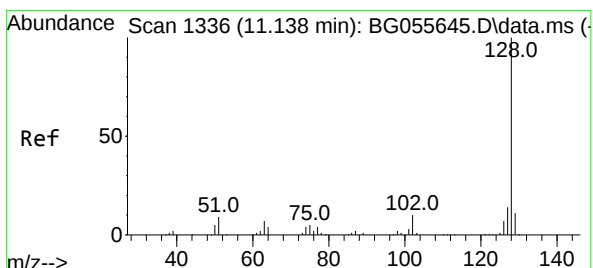
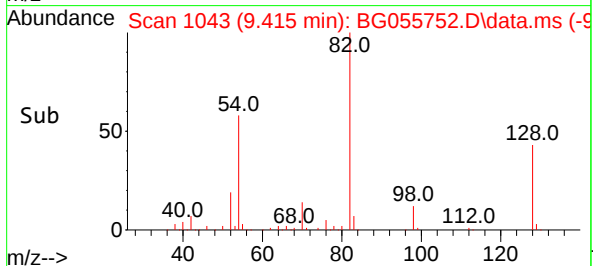
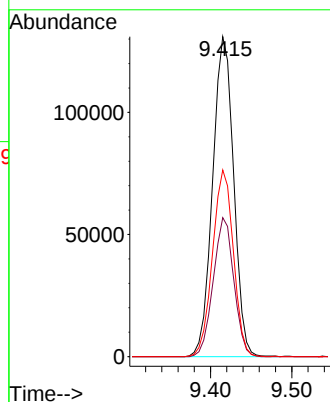
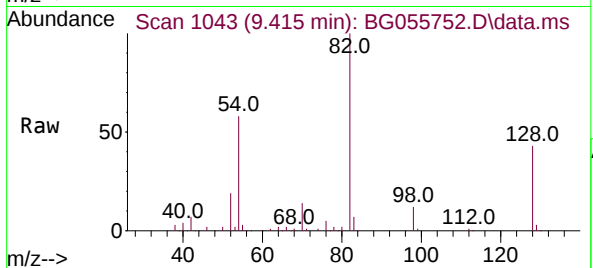
54 58.3 47.3 70.9

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#31

Naphthalene

Concen: 3.887 ng

RT: 11.125 min Scan# 1334

Delta R.T. -0.000 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

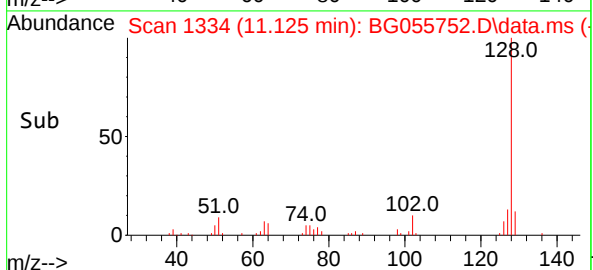
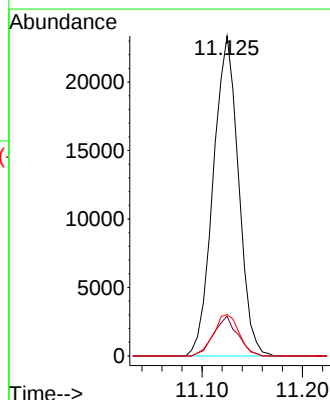
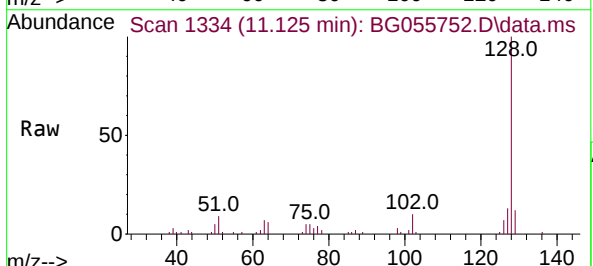
Tgt Ion:128 Resp: 40907

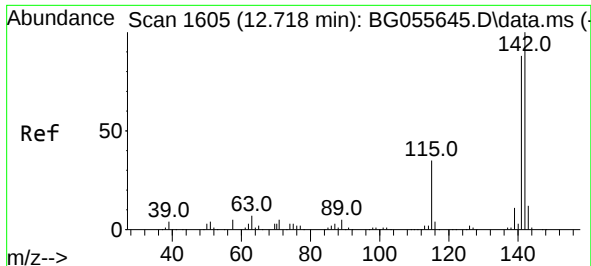
Ion Ratio Lower Upper

128 100

129 12.4 8.7 13.1

127 12.9 10.9 16.3





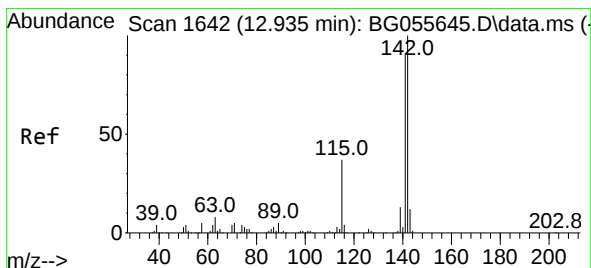
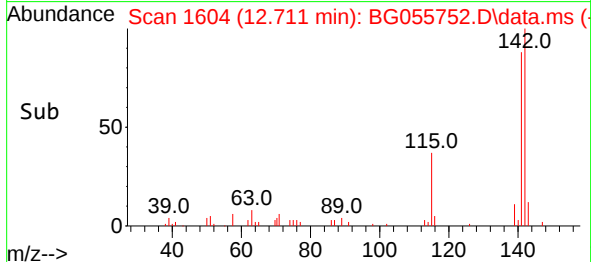
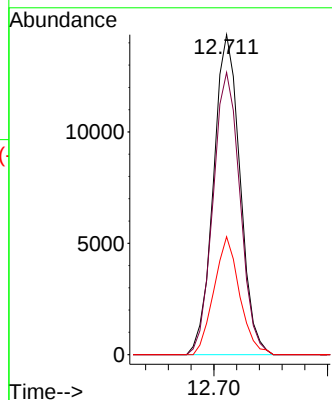
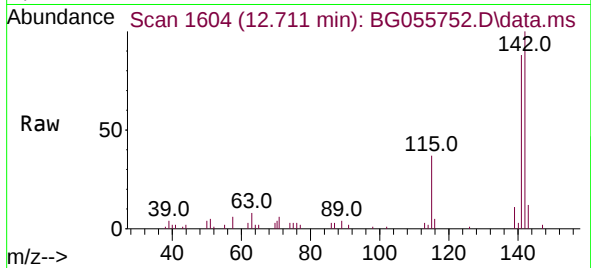
#37
2-Methylnaphthalene
Concen: 2.957 ng
RT: 12.711 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Instrument :
BNA_G
ClientSampleId :
MH-84

Tgt Ion:142 Resp: 23307
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5
115 36.8 27.9 41.9

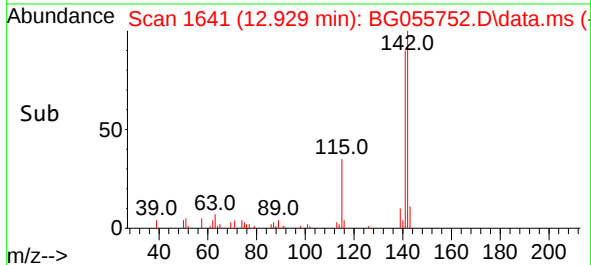
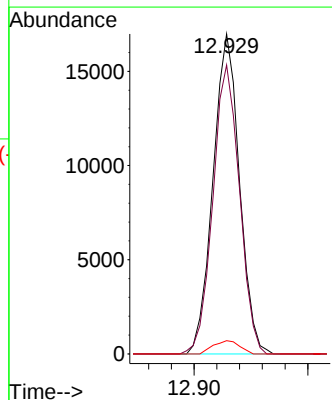
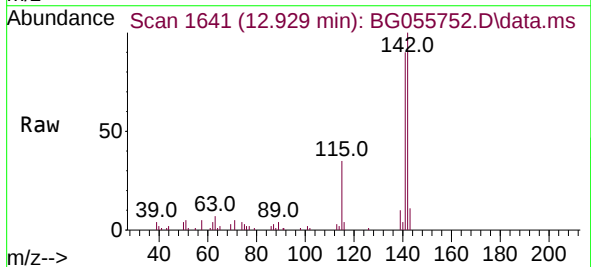
Manual Integrations
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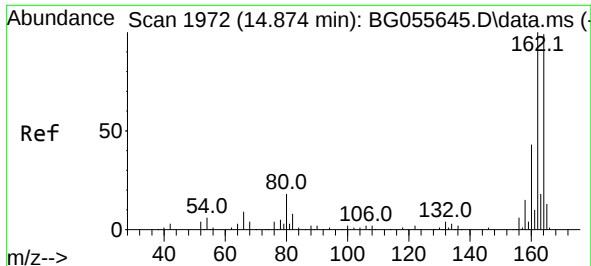
Reviewed By :Christian Giraldo 11/23/2022
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#38
1-Methylnaphthalene
Concen: 3.581 ng
RT: 12.929 min Scan# 1641
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

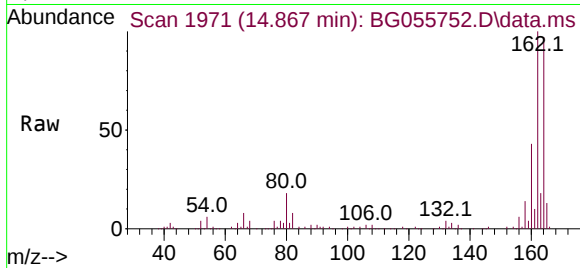
Tgt Ion:142 Resp: 27399
Ion Ratio Lower Upper
142 100
141 90.3 73.0 109.4
116 4.1 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.867 min Scan# 1972
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

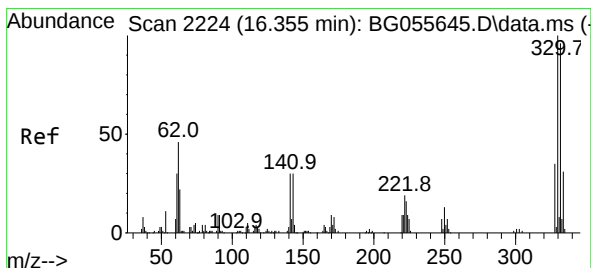
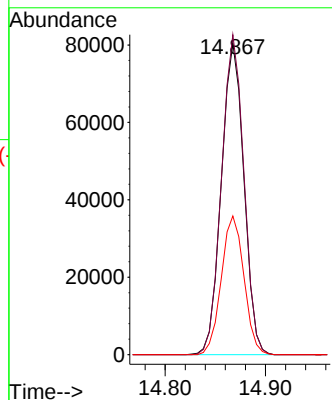
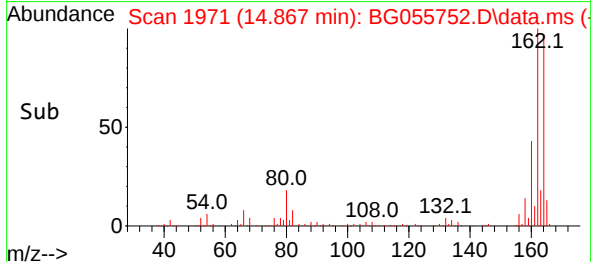
Instrument :
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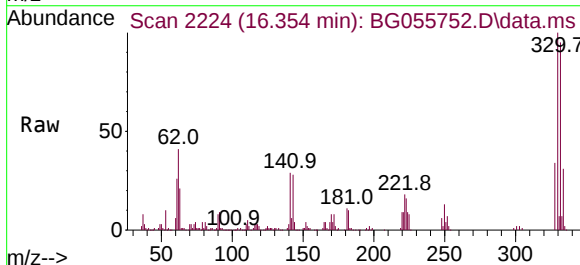
Tgt Ion:164 Resp: 12555
Ion Ratio Lower Upper
164 100
162 102.8 81.1 121.7
160 44.6 34.8 52.2

Manual Integrations
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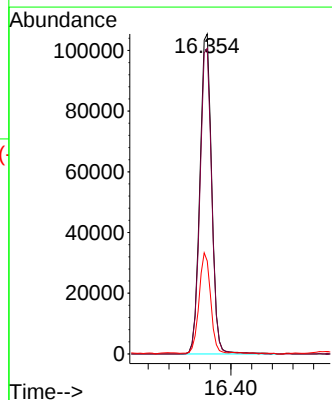
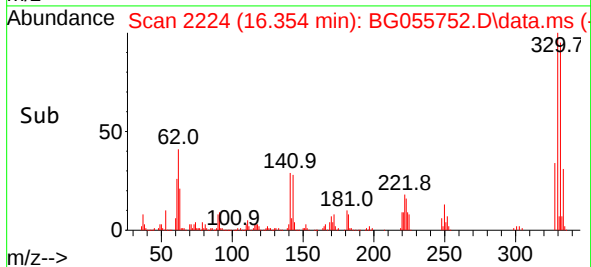
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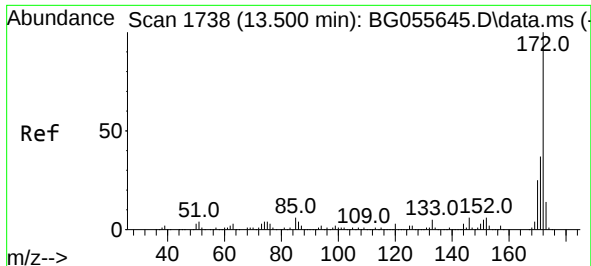


#42
2,4,6-Tribromophenol
Concen: 94.001 ng
RT: 16.354 min Scan# 2224
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26



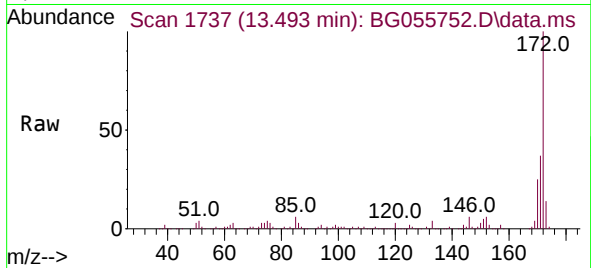
Tgt Ion:330 Resp: 166192
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 30.6 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 60.681 ng
RT: 13.493 min Scan# 1737
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

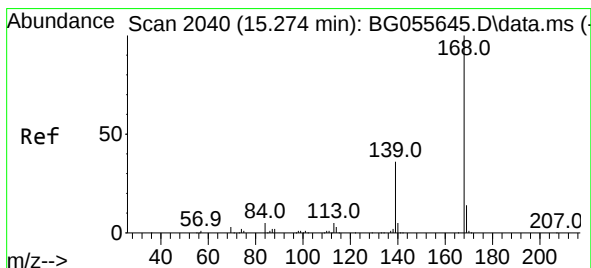
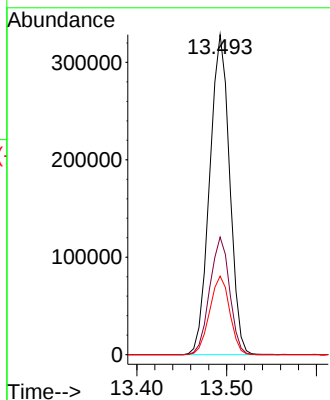
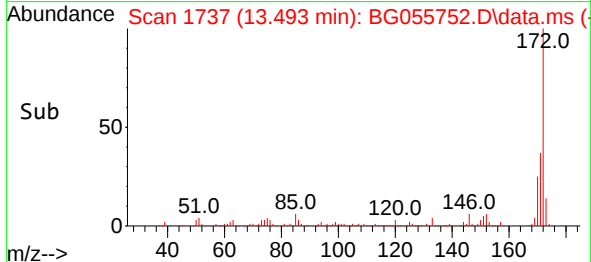
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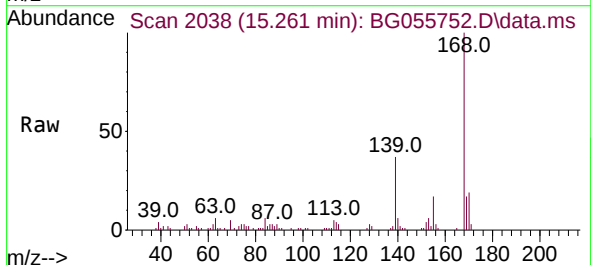
Tgt Ion:172 Resp: 508559
Ion Ratio Lower Upper
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171 36.7 29.8 44.6
170 24.5 20.2 30.4

Manual Integrations
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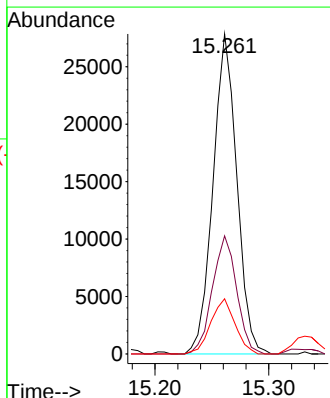
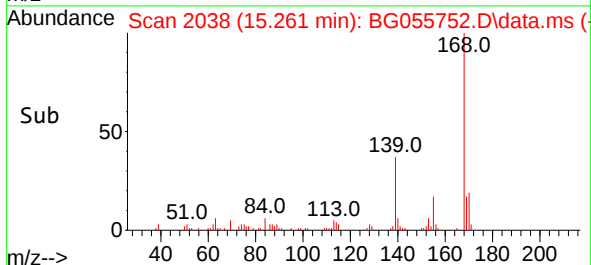
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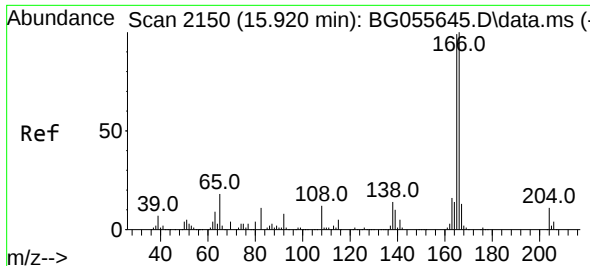


#55
Dibenzofuran
Concen: 3.431 ng
RT: 15.261 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26



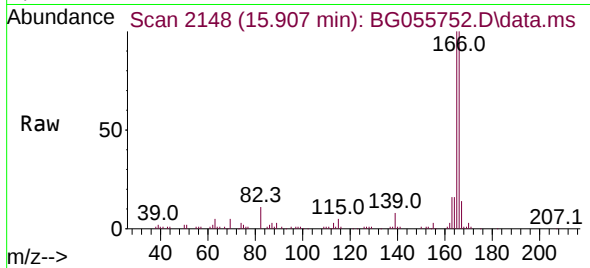
Tgt Ion:168 Resp: 40510
Ion Ratio Lower Upper
168 100
139 36.9 28.8 43.2
169 17.2 11.0 16.4#





#58
Fluorene
Concen: 6.399 ng
RT: 15.907 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

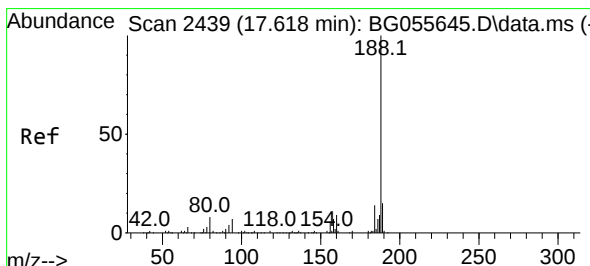
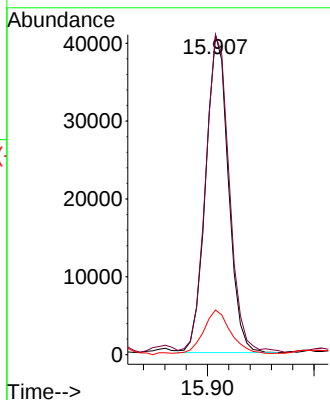
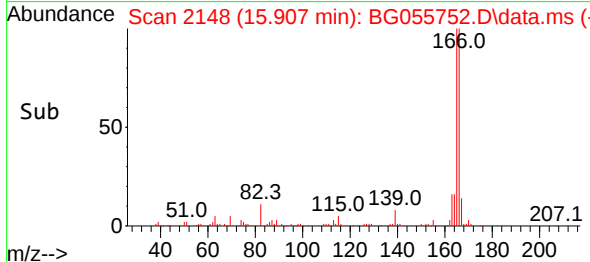
Instrument :
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MH-84



Tgt Ion:166 Resp: 60349
Ion Ratio Lower Upper
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165 100.1 79.3 118.9
167 13.9 10.6 15.8

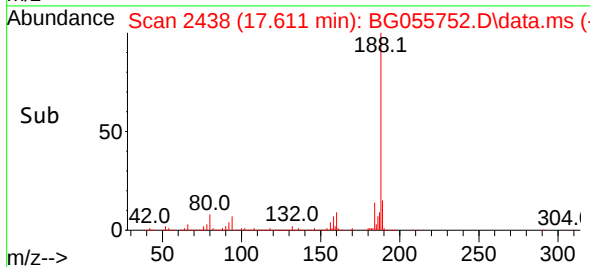
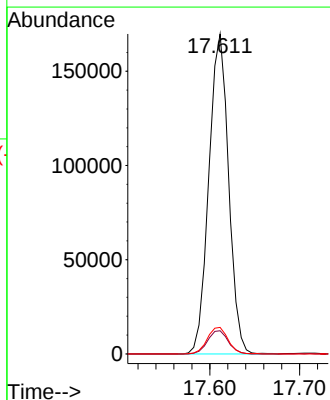
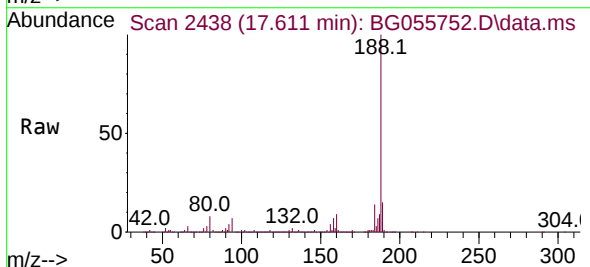
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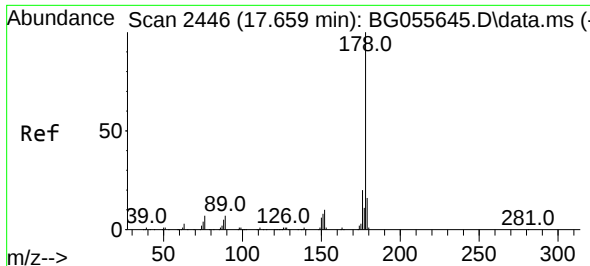
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.611 min Scan# 2438
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:188 Resp: 259885
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.3 6.6 10.0





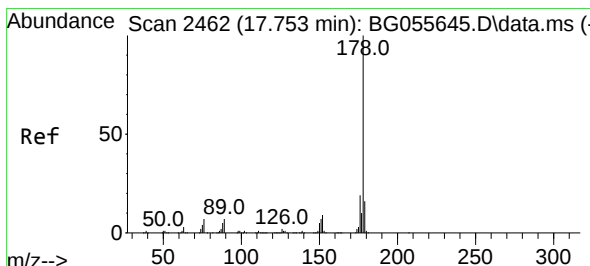
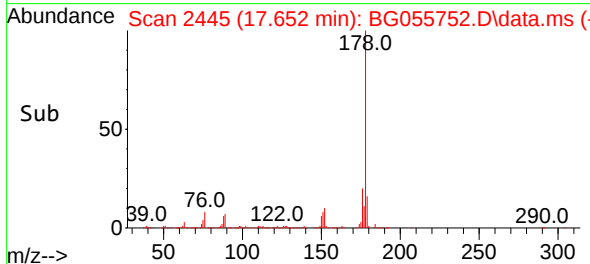
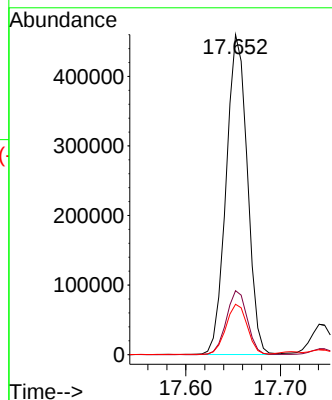
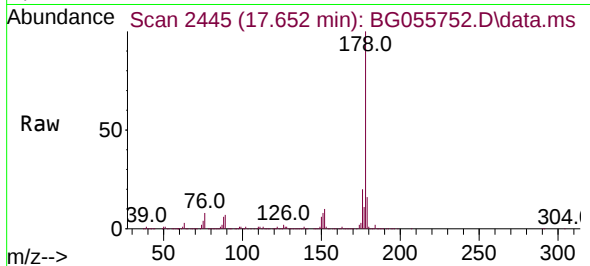
#71
Phenanthrene
Concen: 50.782 ng
RT: 17.652 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Instrument :
BNA_G
ClientSampleId :
MH-84

Tgt Ion:178 Resp: 712189
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.8 12.7 19.1

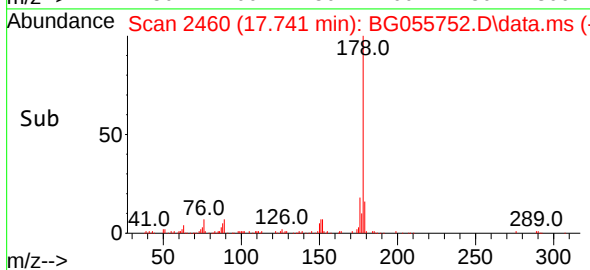
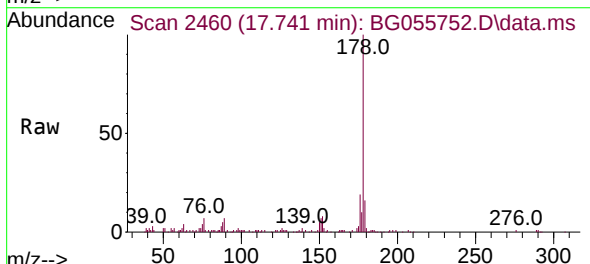
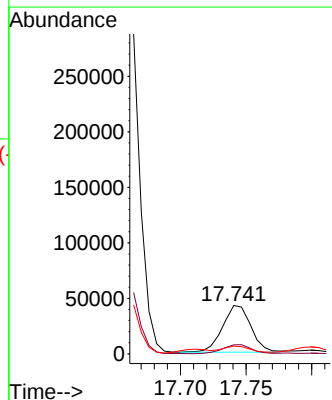
Manual Integrations
APPROVED

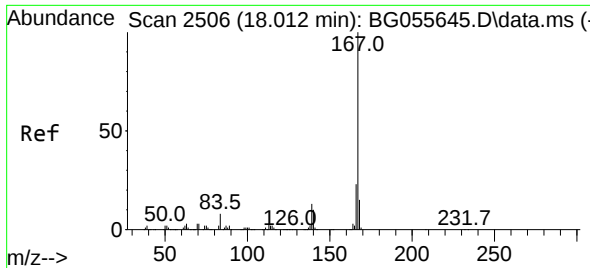
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#72
Anthracene
Concen: 4.623 ng
RT: 17.741 min Scan# 2460
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

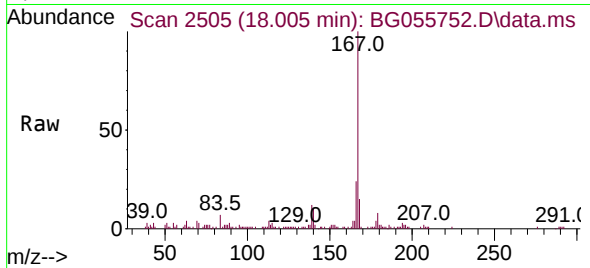
Tgt Ion:178 Resp: 62992
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 16.1 12.5 18.7





#73
Carbazole
Concen: 4.244 ng
RT: 18.005 min Scan# 2506
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

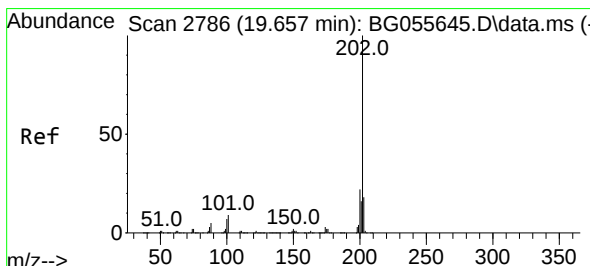
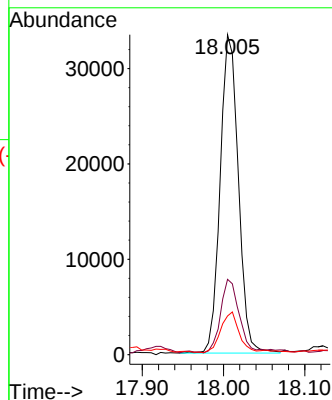
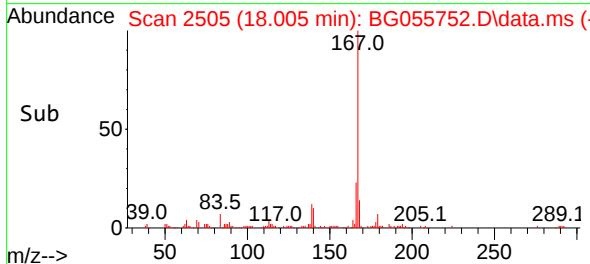
Instrument :
BNA_G
ClientSampleId :
MH-84



Tgt Ion:167 Resp: 51987
Ion Ratio Lower Upper
167 100
166 23.5 18.2 27.2
139 12.1 10.2 15.4

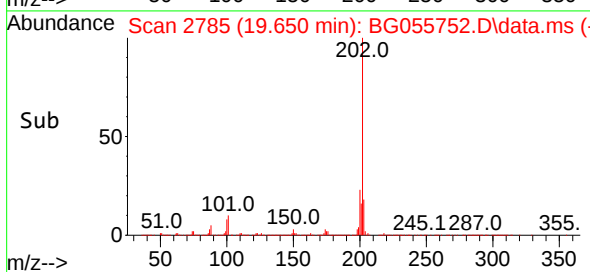
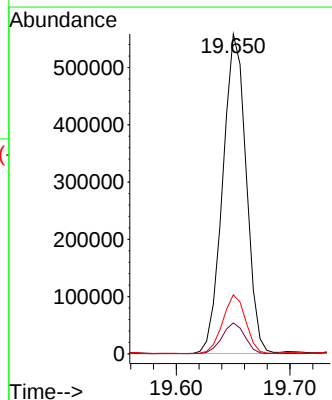
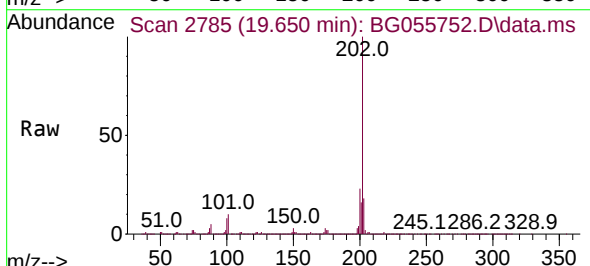
Manual Integrations
APPROVED

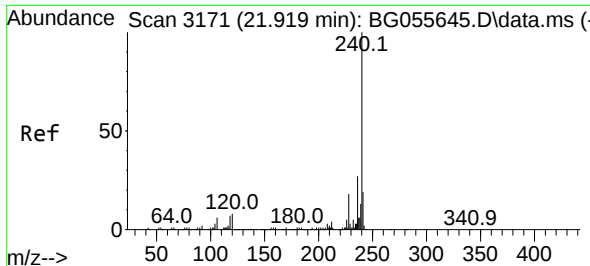
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#75
Fluoranthene
Concen: 46.683 ng
RT: 19.650 min Scan# 2785
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

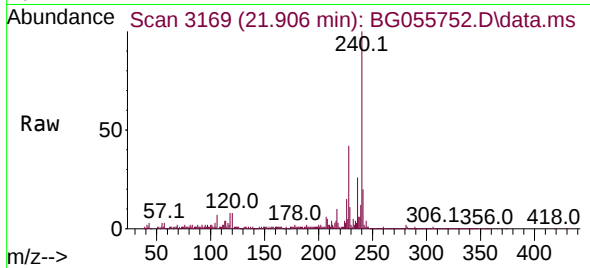
Tgt Ion:202 Resp: 796501
Ion Ratio Lower Upper
202 100
101 9.7 0.0 28.8
203 18.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.906 min Scan# 3171
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

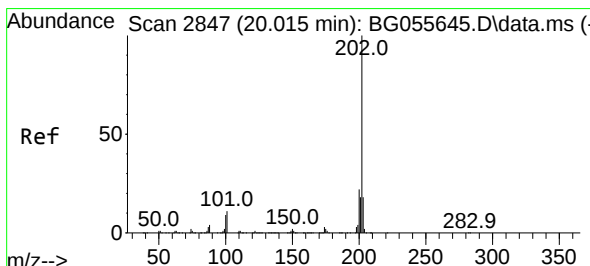
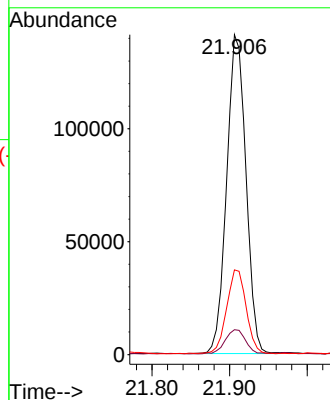
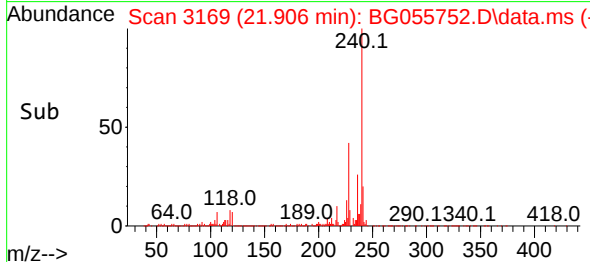
Instrument :
BNA_G
ClientSampleId :
MH-84



Tgt Ion:240 Resp: 244740
Ion Ratio Lower Upper
240 100
120 7.8 6.3 9.5
236 26.5 21.9 32.9

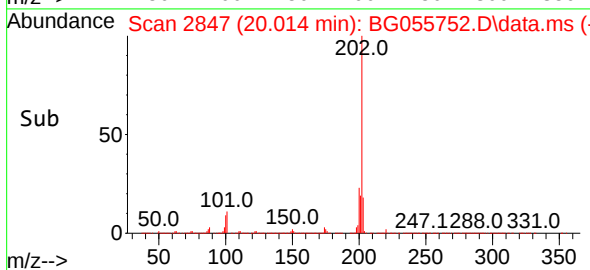
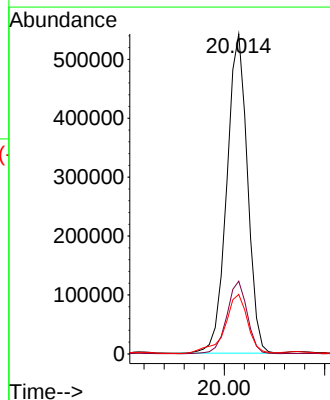
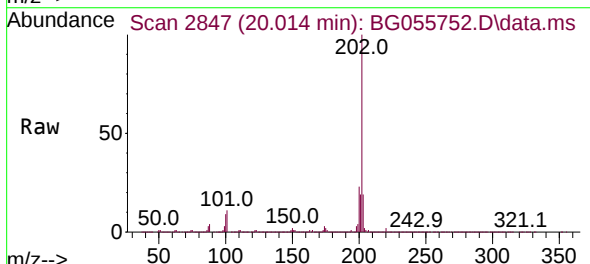
Manual Integrations
APPROVED

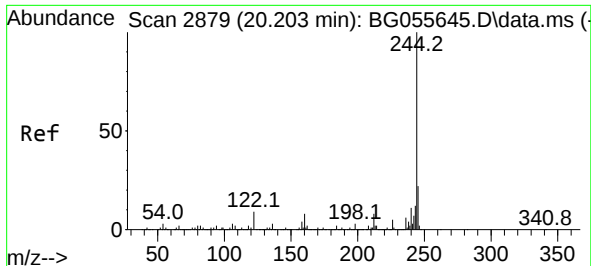
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#78
Pyrene
Concen: 46.743 ng
RT: 20.014 min Scan# 2847
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

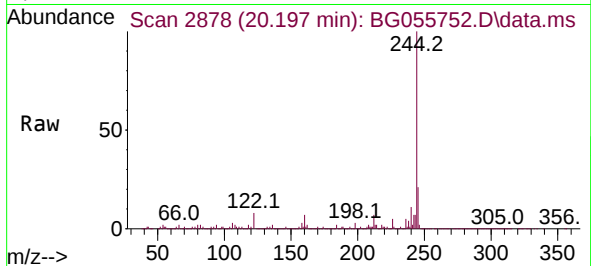
Tgt Ion:202 Resp: 774337
Ion Ratio Lower Upper
202 100
200 22.7 17.8 26.6
203 18.6 14.4 21.6





#79
 Terphenyl-d14
 Concen: 54.663 ng
 RT: 20.197 min Scan# 2878
 Delta R.T. 0.006 min
 Lab File: BG055752.D
 Acq: 22 Nov 2022 23:26

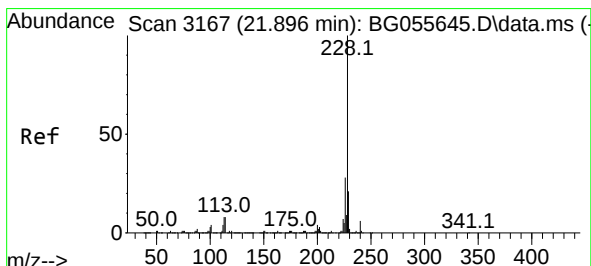
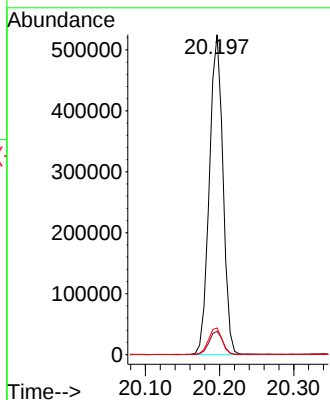
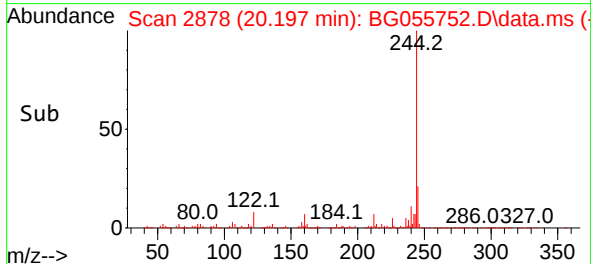
Instrument :
 BNA_G
 ClientSampleId :
 MH-84



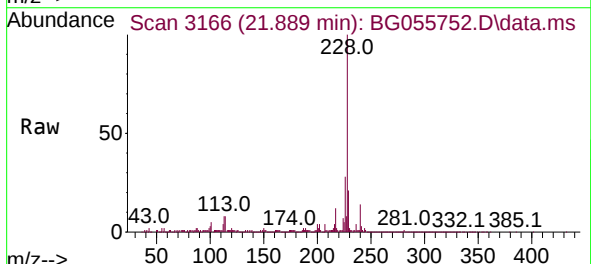
Tgt Ion:244 Resp: 668862
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 8.3 6.9 10.3

Manual Integrations
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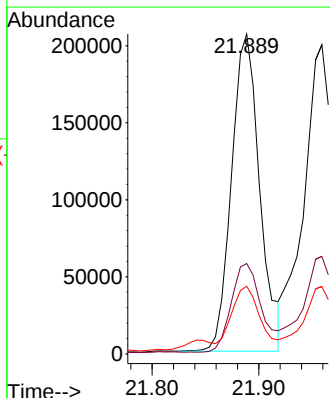
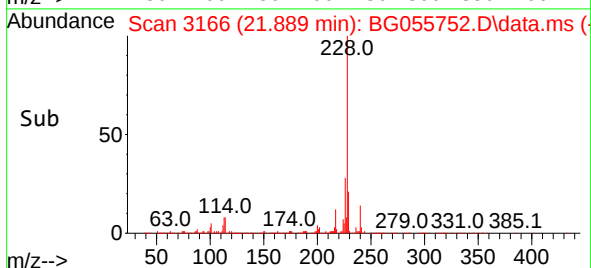
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

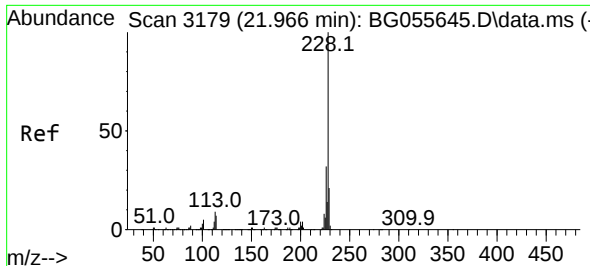


#81
 Benzo(a)anthracene
 Concen: 22.371 ng
 RT: 21.889 min Scan# 3166
 Delta R.T. 0.006 min
 Lab File: BG055752.D
 Acq: 22 Nov 2022 23:26



Tgt Ion:228 Resp: 377101
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.7 34.1
 229 21.1 16.5 24.7





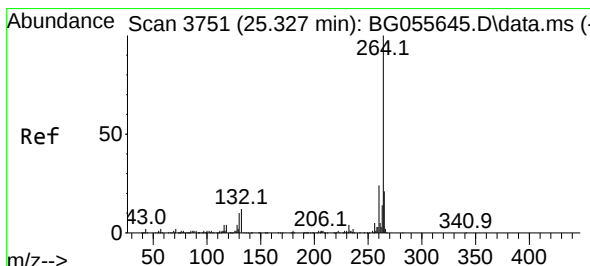
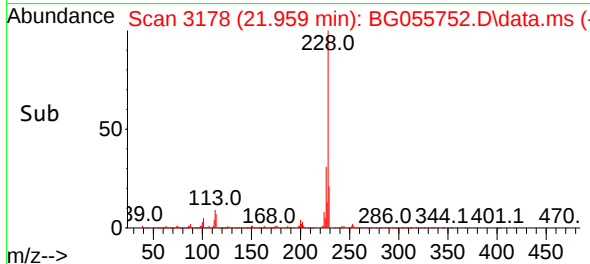
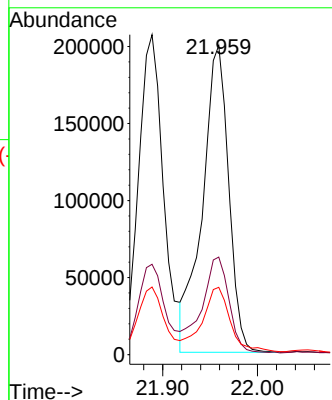
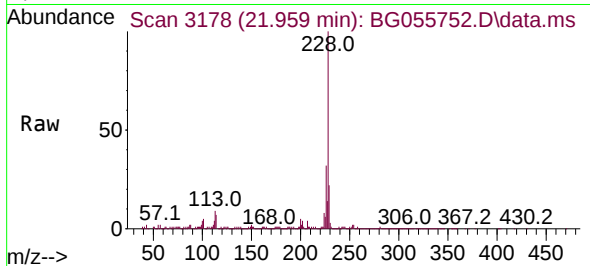
#83
Chrysene
Concen: 23.972 ng
RT: 21.959 min Scan# 3179
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Instrument :
BNA_G
ClientSampleId :
MH-84

Tgt Ion:228 Resp: 384682
Ion Ratio Lower Upper
228 100
226 31.6 25.4 38.2
229 21.8 17.1 25.7

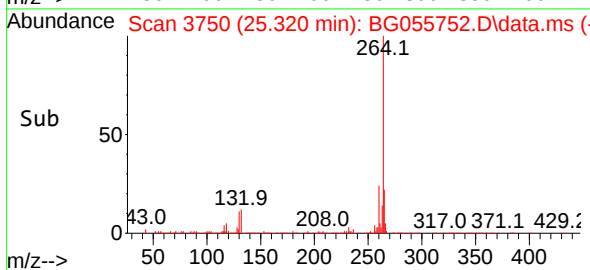
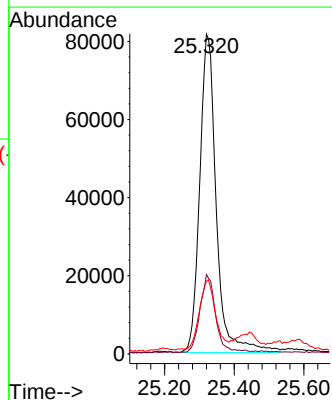
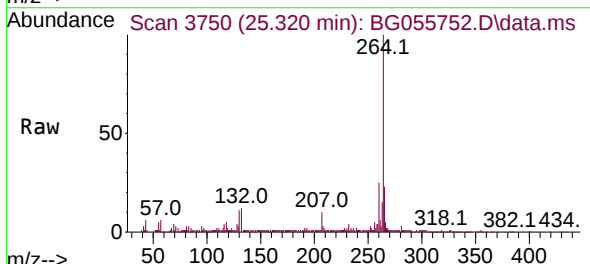
Manual Integrations
APPROVED

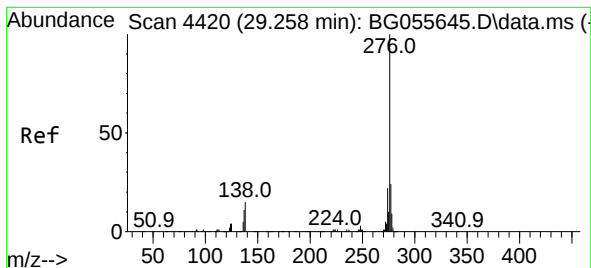
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.320 min Scan# 3750
Delta R.T. 0.018 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:264 Resp: 269200
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 22.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.817 ng

RT: 29.245 min Scan# 4418

Delta R.T. 0.012 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

Instrument :

BNA_G

ClientSampleId :

MH-84

Tgt Ion:276 Resp: 172386

Ion Ratio Lower Upper

276 100

138 0.0 10.4 15.6

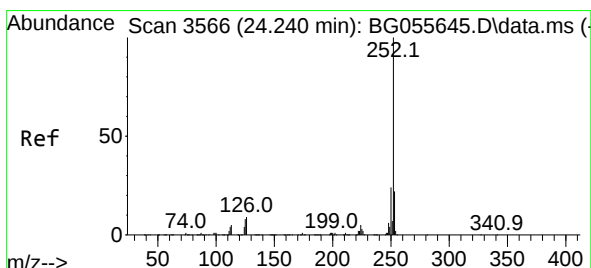
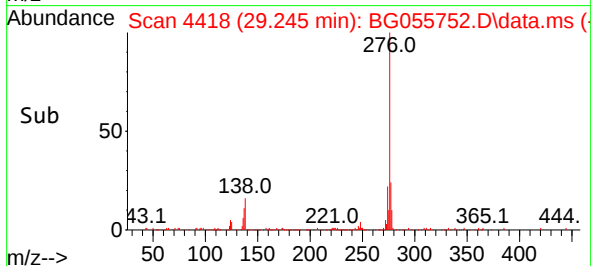
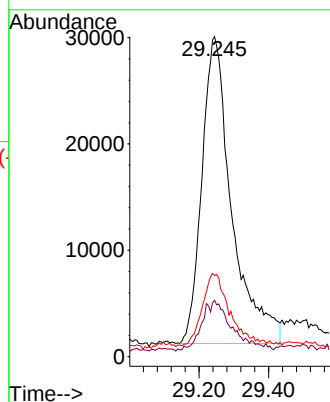
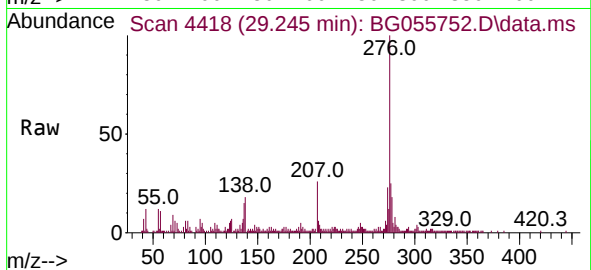
277 21.7 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#88

Benzo(b)fluoranthene

Concen: 26.069 ng

RT: 24.233 min Scan# 3565

Delta R.T. 0.012 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

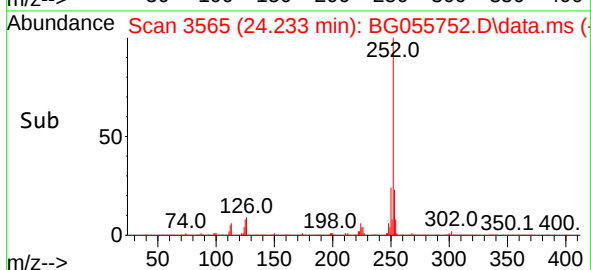
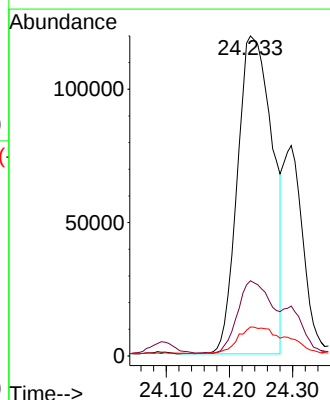
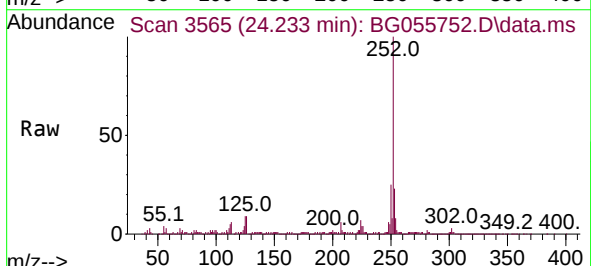
Tgt Ion:252 Resp: 457035

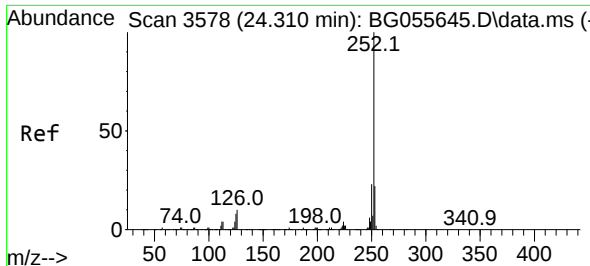
Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

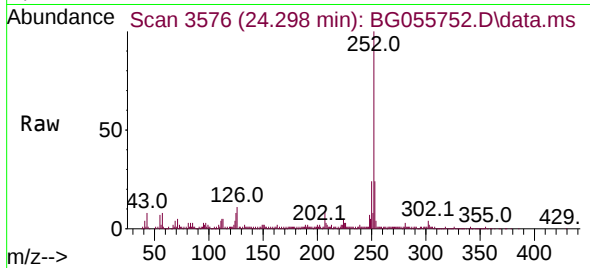
125 9.0 6.2 9.2





#89
Benzo(k)fluoranthene
Concen: 9.997 ng m
RT: 24.298 min Scan# 3578
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

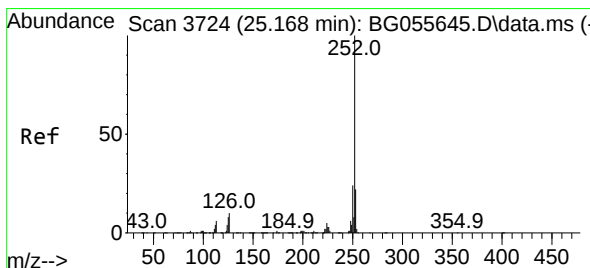
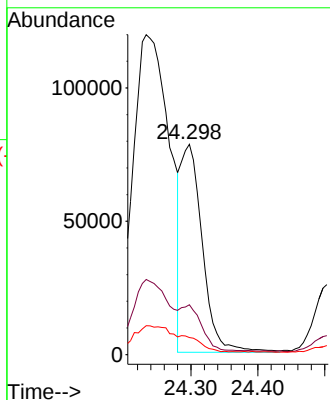
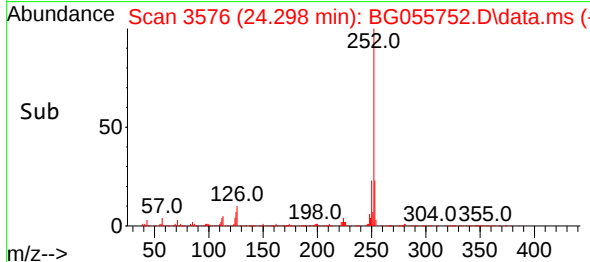
Instrument :
BNA_G
ClientSampleId :
MH-84



Tgt Ion:252 Resp: 174698
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 8.1 6.1 9.1

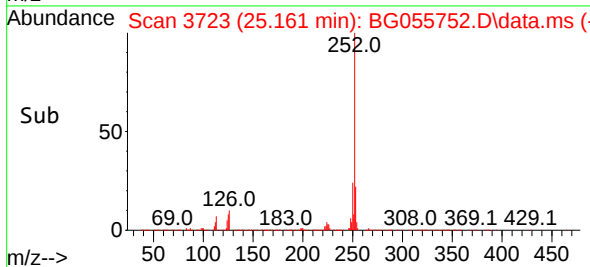
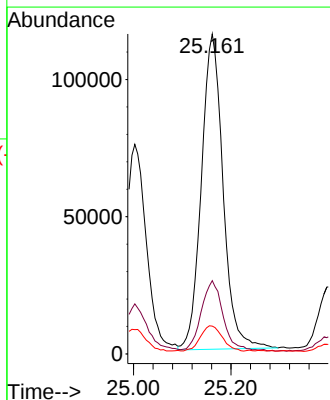
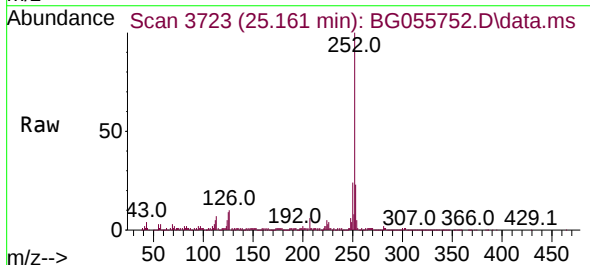
Manual Integrations
APPROVED

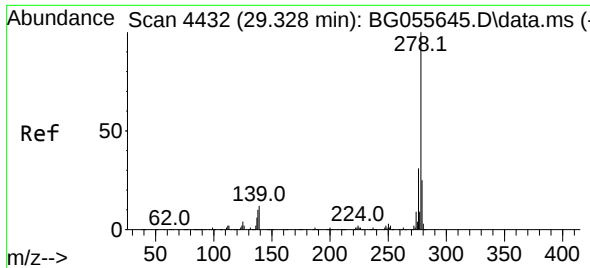
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#90
Benzo(a)pyrene
Concen: 23.610 ng
RT: 25.161 min Scan# 3723
Delta R.T. 0.012 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

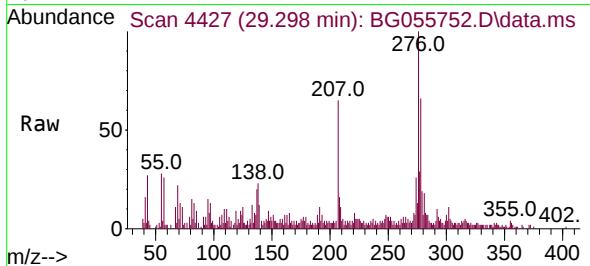
Tgt Ion:252 Resp: 355198
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 8.7 6.4 9.6





#91
Dibenzo(a,h)anthracene
Concen: 2.508 ng
RT: 29.298 min Scan# 4432
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

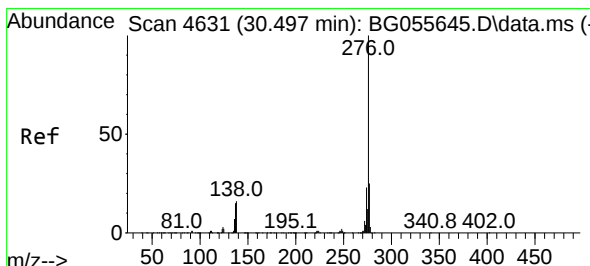
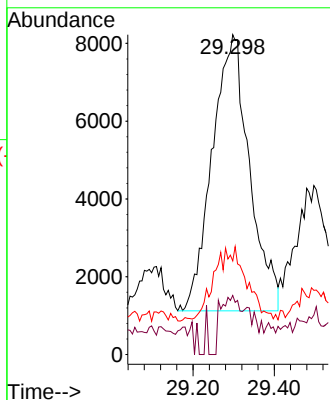
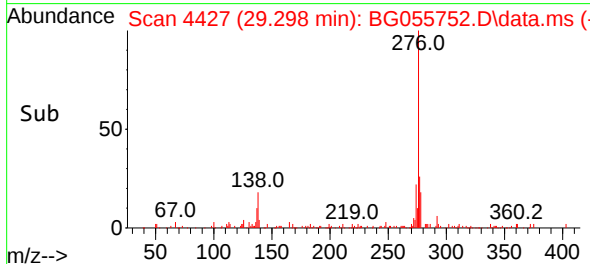
Instrument :
BNA_G
ClientSampleId :
MH-84



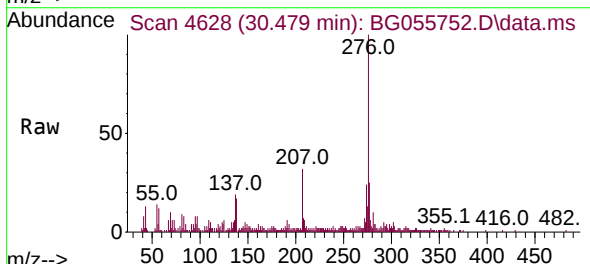
Tgt Ion:278 Resp: 45207
Ion Ratio Lower Upper
278 100
139 18.5 9.8 14.8
279 29.3 19.8 29.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#92
Benzo(g,h,i)perylene
Concen: 8.490 ng
RT: 30.479 min Scan# 4628
Delta R.T. 0.018 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26



Tgt Ion:276 Resp: 154208
Ion Ratio Lower Upper
276 100
277 24.6 19.8 29.6
138 16.7 13.1 19.7

