

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053064.D
 Acq On : 6 Apr 2022 21:02
 Operator : CG/JU
 Sample : N2257-05DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

Quant Time: Apr 07 04:11:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	32699	20.000	ng	0.00
21) Naphthalene-d8	10.943	136	137532	20.000	ng	# 0.00
39) Acenaphthene-d10	14.749	164	100975	20.000	ng	0.00
64) Phenanthrene-d10	17.493	188	202948	20.000	ng	0.00
76) Chrysene-d12	21.781	240	178340	20.000	ng	0.00
86) Perylene-d12	25.088	264	196258	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	20227	10.773	ng	0.00
7) Phenol-d6	7.283	99	31097	10.986	ng	0.00
23) Nitrobenzene-d5	9.286	82	22846	8.337	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	15139	11.158	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	49619	7.247	ng	0.00
79) Terphenyl-d14	20.089	244	66405	6.624	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.534	178	112416	10.354	ng	96
72) Anthracene	17.628	178	30434	2.836	ng	95
75) Fluoranthene	19.543	202	263093	19.090	ng	98
78) Pyrene	19.901	202	451998	36.537	ng	98
81) Benzo(a)anthracene	21.757	228	222025	18.592	ng	99
83) Chrysene	21.822	228	212560	18.933	ng	96
87) Indeno(1,2,3-cd)pyrene	28.865	276	201683	15.014	ng	100
88) Benzo(b)fluoranthene	24.037	252	319412	26.212	ng	98
89) Benzo(k)fluoranthene	24.095	252	94231m	7.860	ng	
90) Benzo(a)pyrene	24.930	252	296446	28.740	ng	99
91) Dibenzo(a,h)anthracene	28.901	278	51793	4.679	ng	# 90
92) Benzo(g,h,i)perylene	30.052	276	231447	21.133	ng	98

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

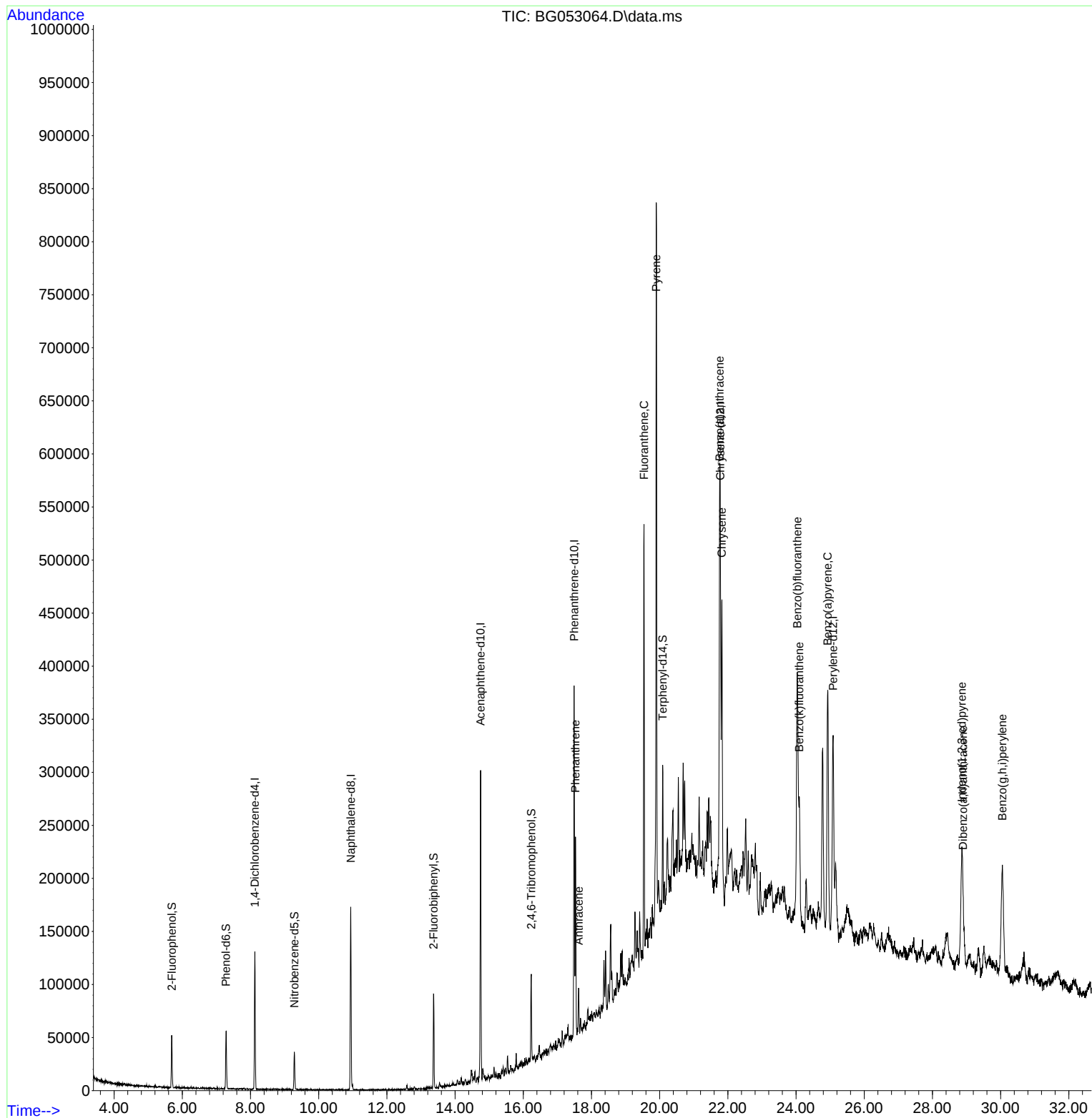
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
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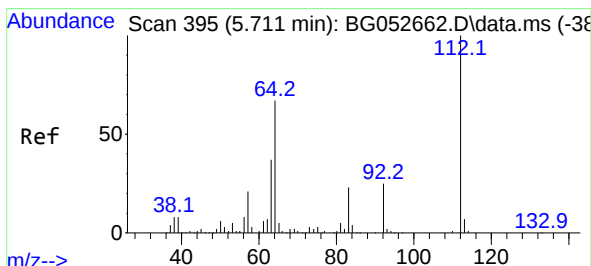
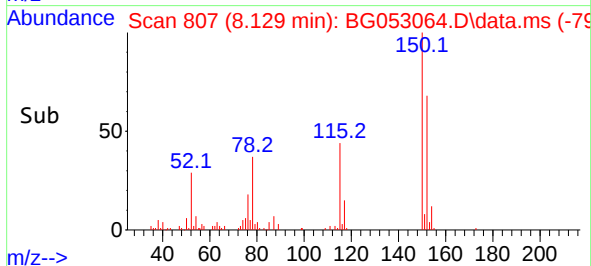
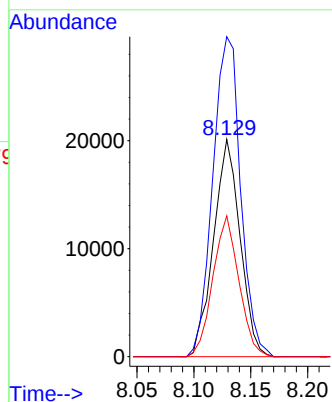
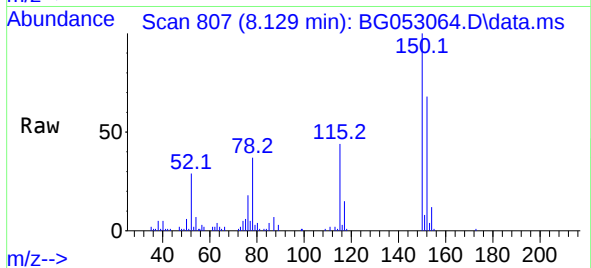
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 807
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

Instrument :
BNA_G
ClientSampleId :
TP-3DL

Tgt Ion:152 Resp: 3269
Ion Ratio Lower Upper
152 100
150 147.3 114.6 172.0
115 64.8 45.9 68.9

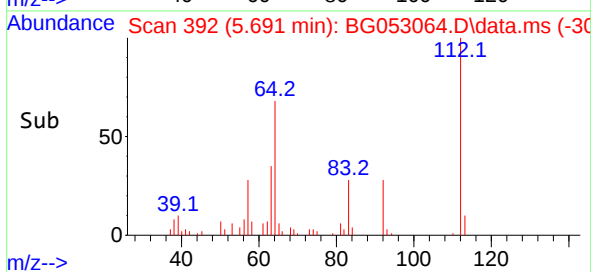
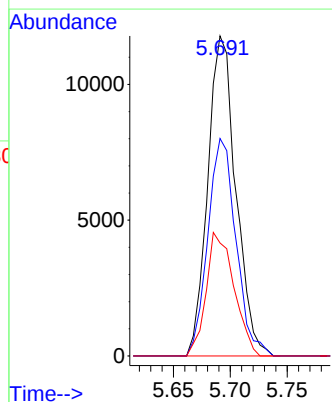
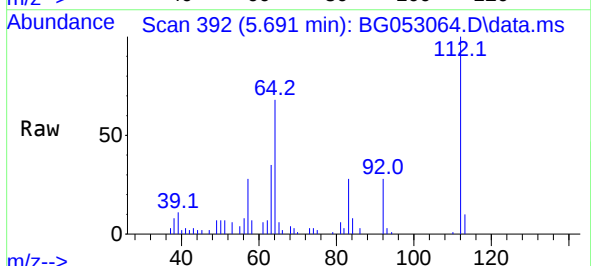
Manual Integrations
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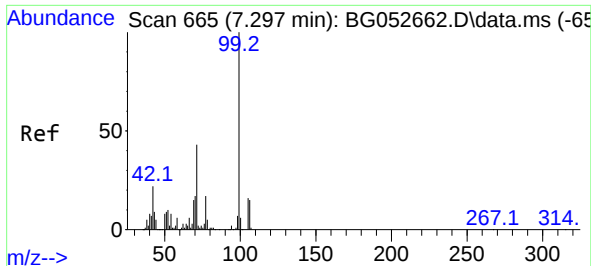
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#5
2-Fluorophenol
Concen: 10.773 ng
RT: 5.691 min Scan# 392
Delta R.T. 0.007 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

Tgt Ion:112 Resp: 20227
Ion Ratio Lower Upper
112 100
64 67.9 48.0 72.0
63 35.3 26.5 39.7





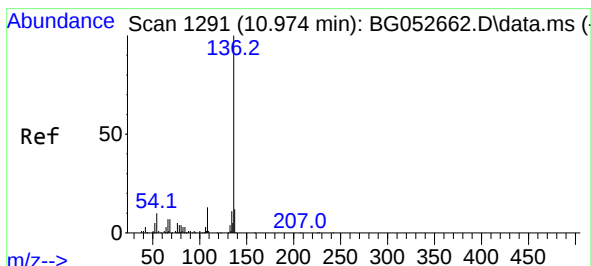
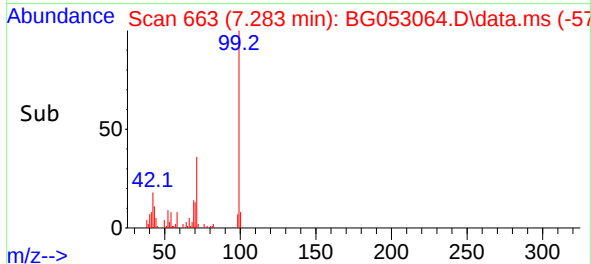
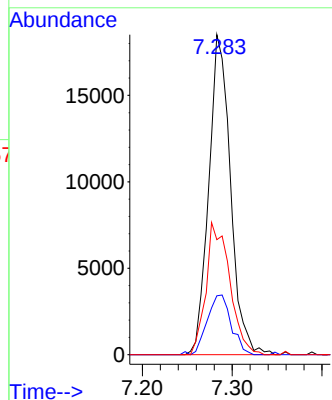
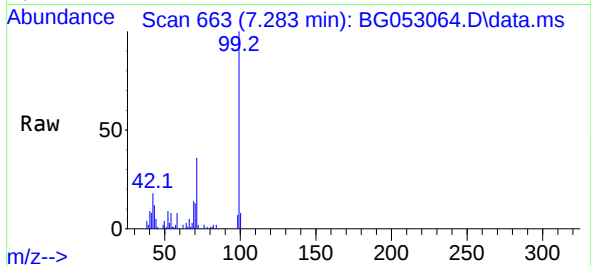
#7
Phenol-d6
Concen: 10.986 ng
RT: 7.283 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

Instrument :
BNA_G
ClientSampleId :
TP-3DL

Tgt Ion: 99 Resp: 3109
Ion Ratio Lower Upper
99 100
42 18.4 14.7 22.1
71 35.9 29.2 43.8

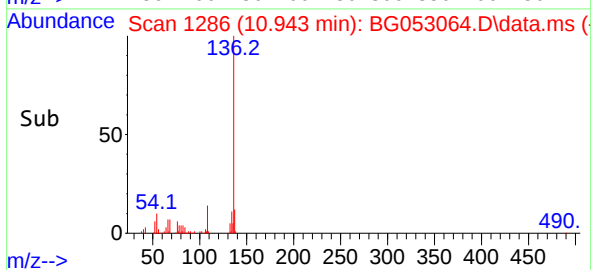
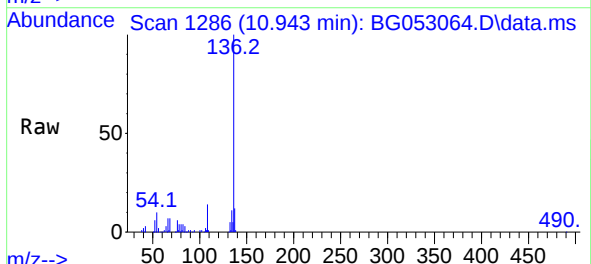
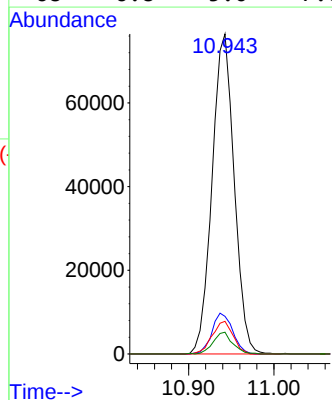
Manual Integrations
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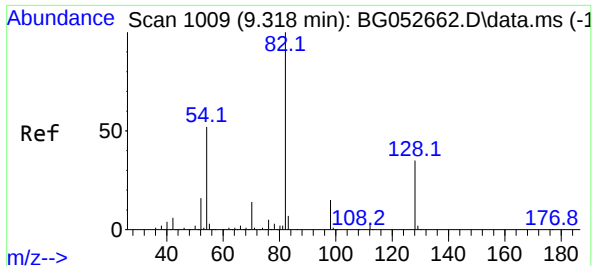
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.943 min Scan# 1286
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

Tgt Ion:136 Resp: 137532
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.2
54 10.2 6.4 9.6#
68 6.8 5.0 7.6





#23

Nitrobenzene-d5

Concen: 8.337 ng

RT: 9.286 min Scan# 1004

Delta R.T. -0.005 min

Lab File: BG053064.D

Acq: 6 Apr 2022 21:02

Instrument :

BNA_G

ClientSampleId :

TP-3DL

Tgt Ion: 82 Resp: 2284

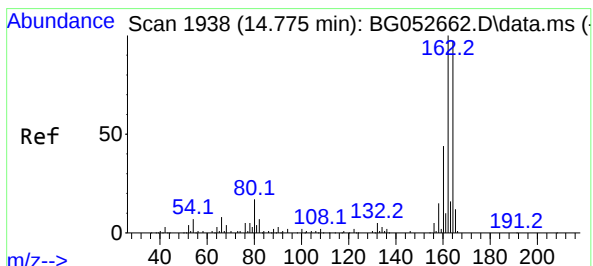
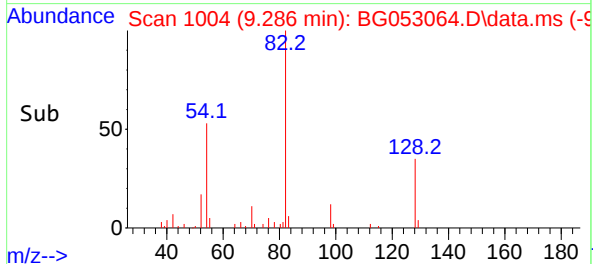
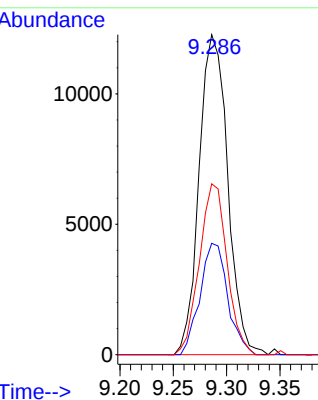
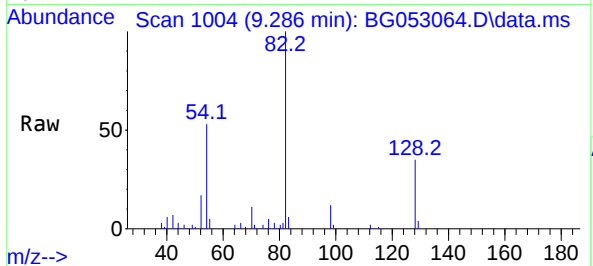
Ion	Ratio	Lower	Upper
82	100		
128	34.8	31.3	46.9
54	53.4	37.8	56.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/07/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.749 min Scan# 1934

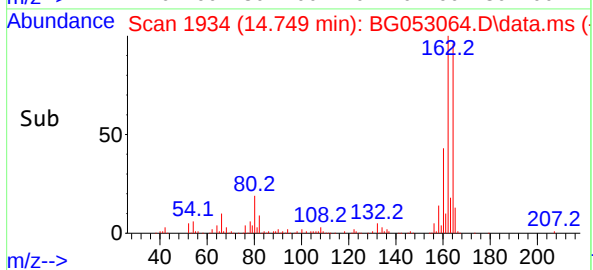
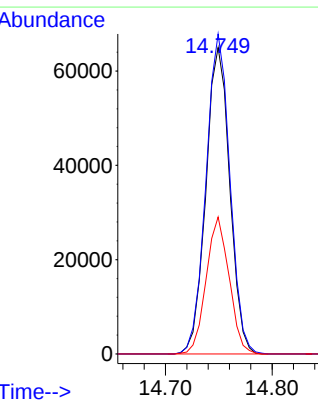
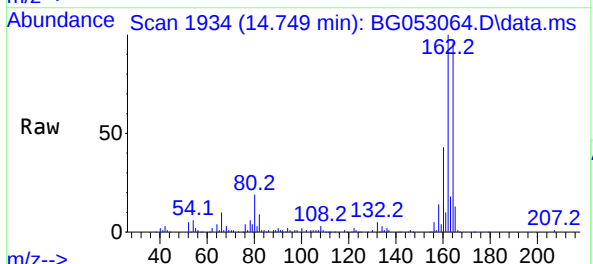
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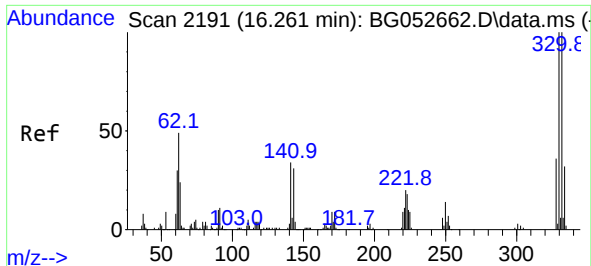
Lab File: BG053064.D

Acq: 6 Apr 2022 21:02

Tgt Ion:164 Resp: 100975

Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.0	120.0
160	44.7	38.8	58.2





#42
2,4,6-Tribromophenol
Concen: 11.158 ng
RT: 16.235 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

Instrument :

BNA_G

ClientSampleId :

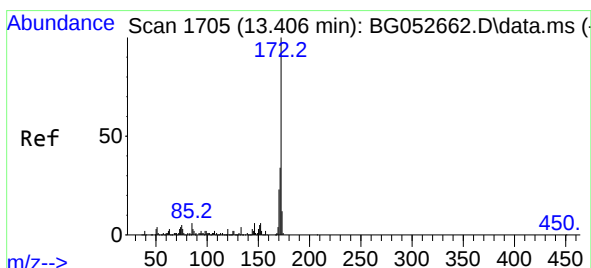
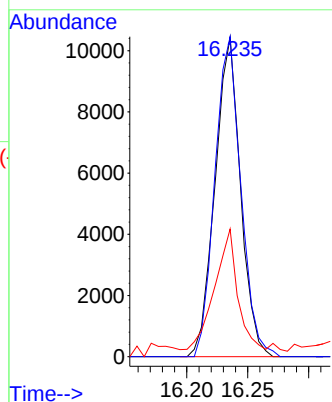
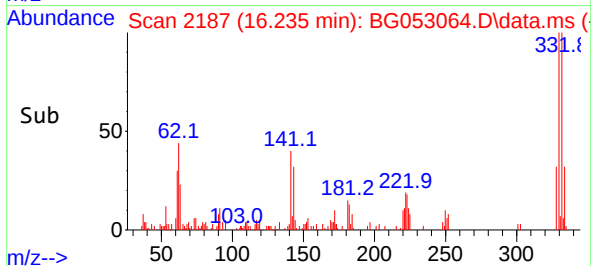
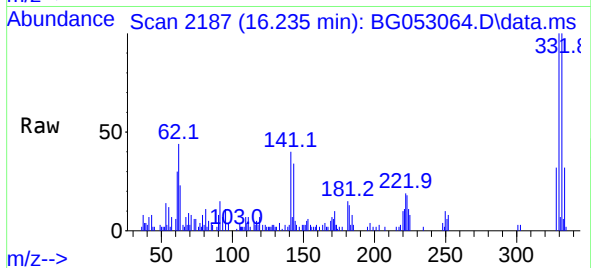
TP-3DL

Tgt Ion:330 Resp: 15139
Ion Ratio Lower Upper
330 100
332 102.3 75.8 113.6
141 35.8 24.6 36.8

Manual Integrations

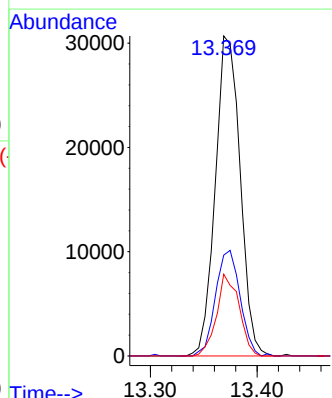
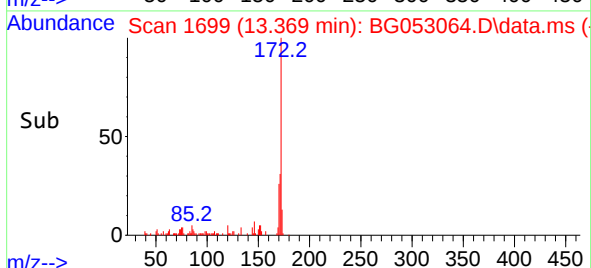
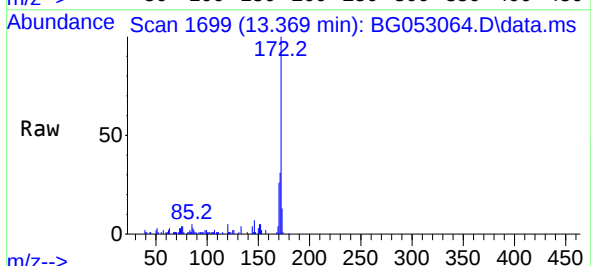
APPROVED

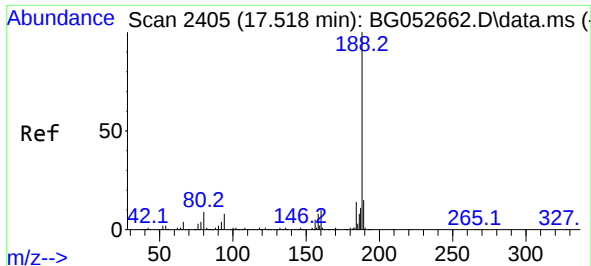
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#45
2-Fluorobiphenyl
Concen: 7.247 ng
RT: 13.369 min Scan# 1699
Delta R.T. -0.005 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

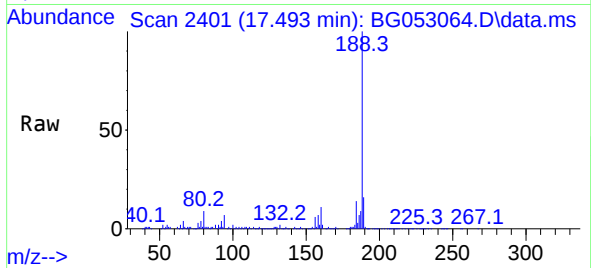
Tgt Ion:172 Resp: 49619
Ion Ratio Lower Upper
172 100
171 31.5 28.3 42.5
170 25.6 18.0 27.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.493 min Scan# 2405
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

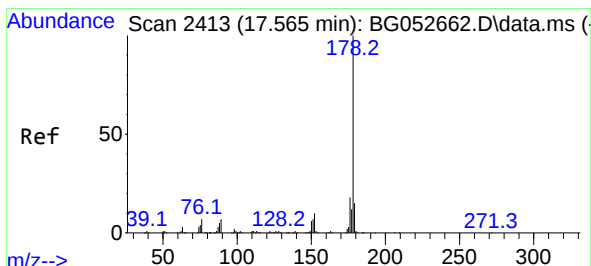
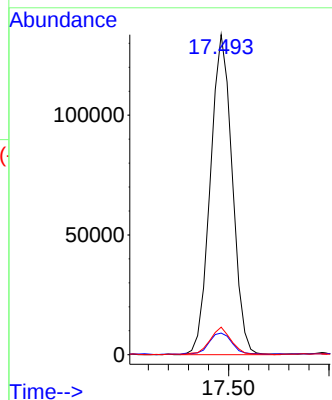
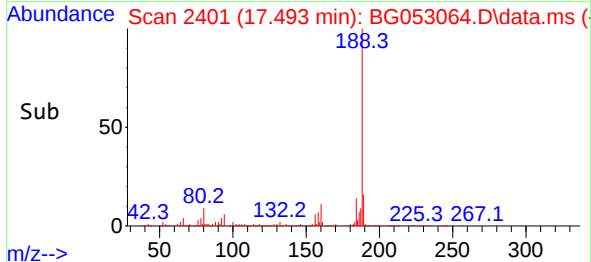
Instrument :
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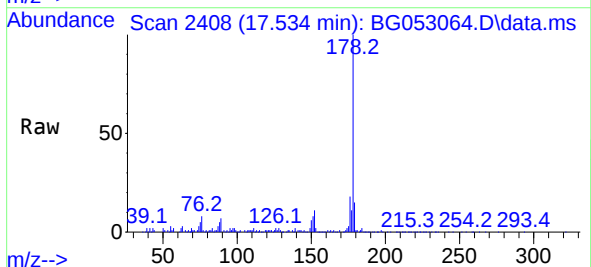
Tgt Ion:188 Resp: 202948
Ion Ratio Lower Upper
188 100
94 6.7 5.7 8.5
80 8.6 7.2 10.8

Manual Integrations
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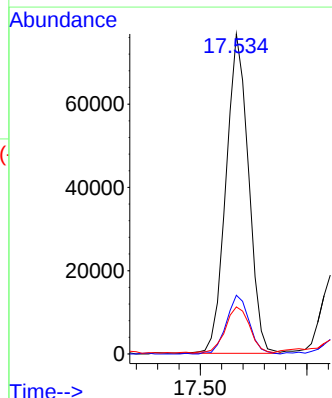
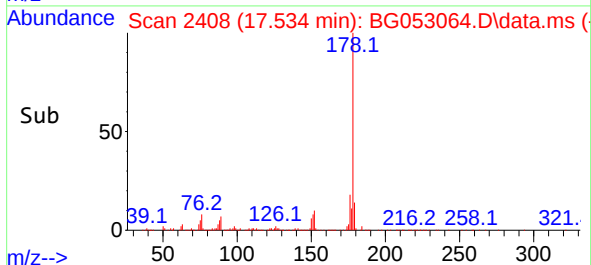
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

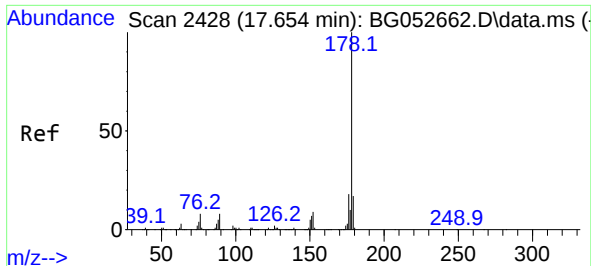


#71
Phenanthrene
Concen: 10.354 ng
RT: 17.534 min Scan# 2408
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02



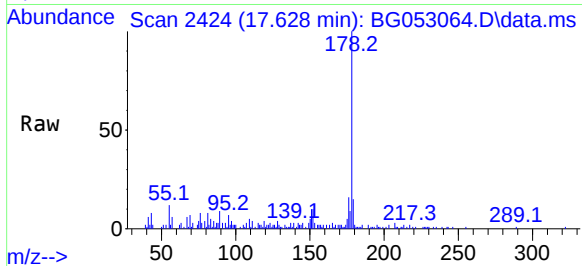
Tgt Ion:178 Resp: 112416
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.7 13.4 20.2





#72
 Anthracene
 Concen: 2.836 ng
 RT: 17.628 min Scan# 2428
 Delta R.T. 0.001 min
 Lab File: BG053064.D
 Acq: 6 Apr 2022 21:02

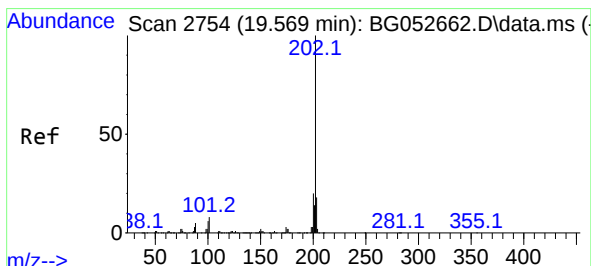
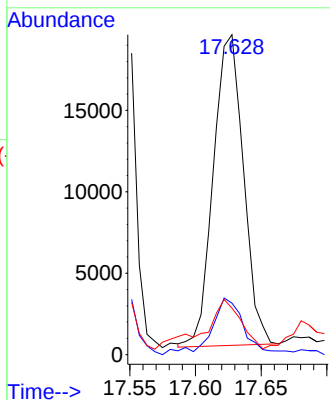
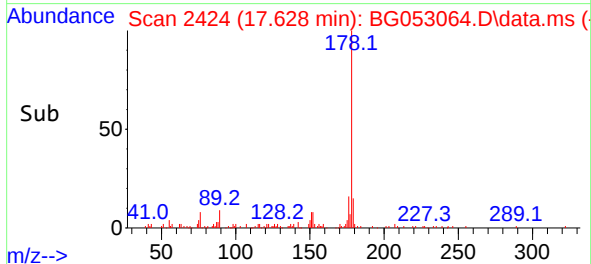
Instrument :
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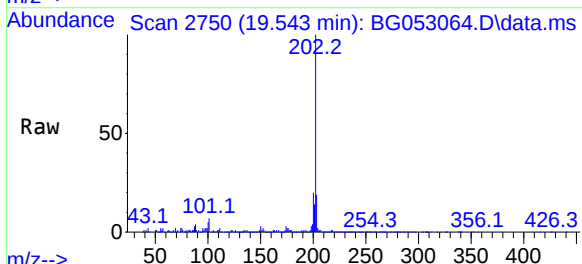
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 Ion Ratio Lower Upper
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 176 16.1 14.7 22.1
 179 14.6 13.2 19.8

Manual Integrations
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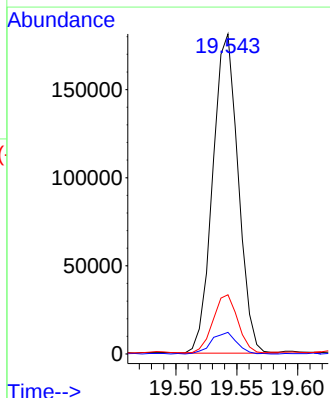
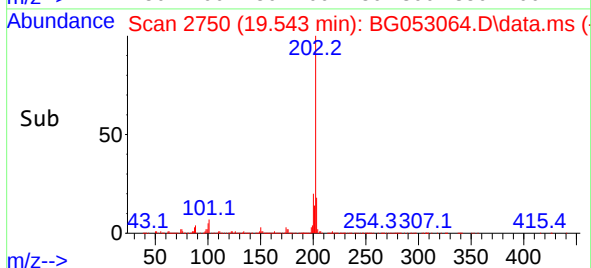
Reviewed By :Christian Giraldo 04/07/2022
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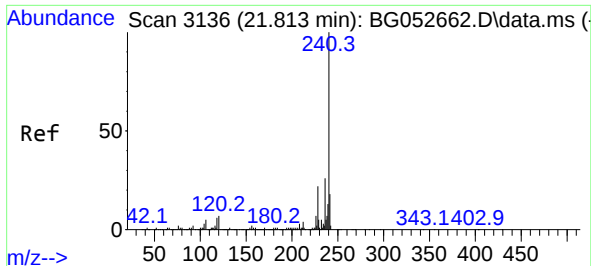


#75
 Fluoranthene
 Concen: 19.090 ng
 RT: 19.543 min Scan# 2750
 Delta R.T. 0.001 min
 Lab File: BG053064.D
 Acq: 6 Apr 2022 21:02



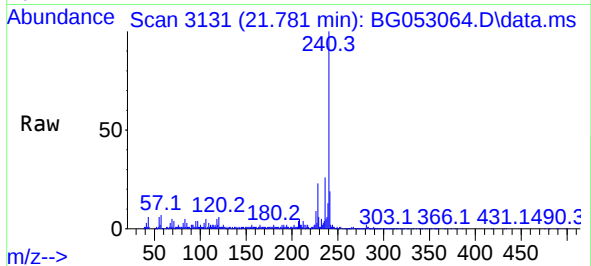
Tgt Ion:202 Resp: 263093
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 27.3
 203 18.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.781 min Scan# 3136
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

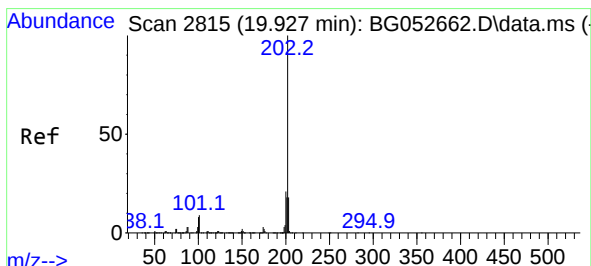
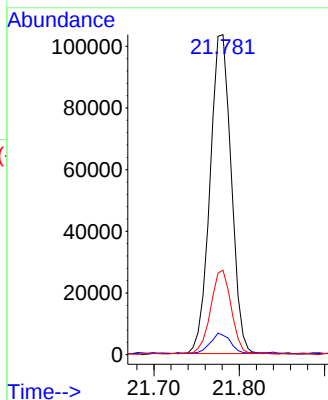
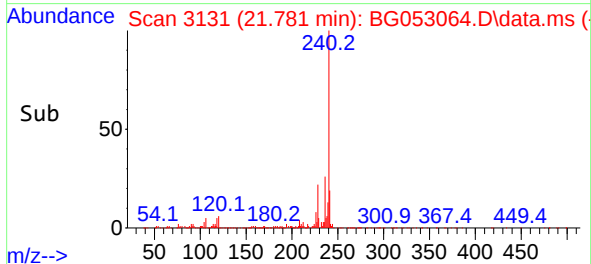
Instrument :
BNA_G
ClientSampleId :
TP-3DL



Tgt Ion:240 Resp: 178340
Ion Ratio Lower Upper
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120 6.0 5.4 8.0
236 26.4 19.8 29.6

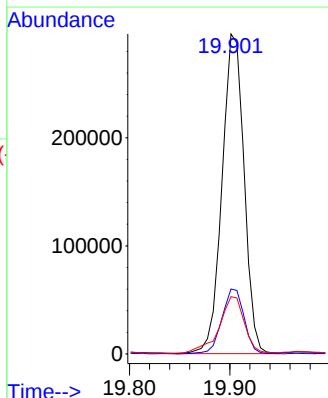
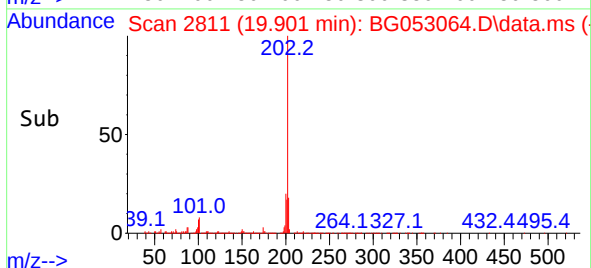
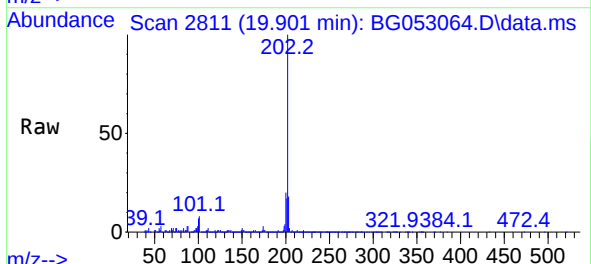
Manual Integrations
APPROVED

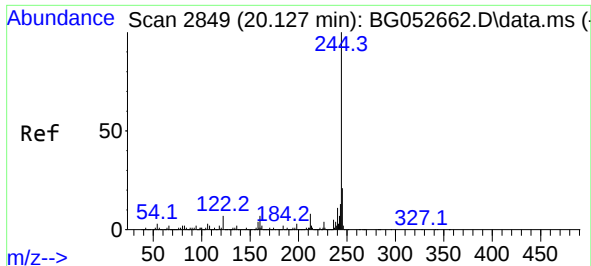
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#78
Pyrene
Concen: 36.537 ng
RT: 19.901 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

Tgt Ion:202 Resp: 451998
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.6
203 17.9 15.0 22.6





#79
 Terphenyl-d14
 Concen: 6.624 ng
 RT: 20.089 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG053064.D
 Acq: 6 Apr 2022 21:02

Instrument :

BNA_G

ClientSampleId :

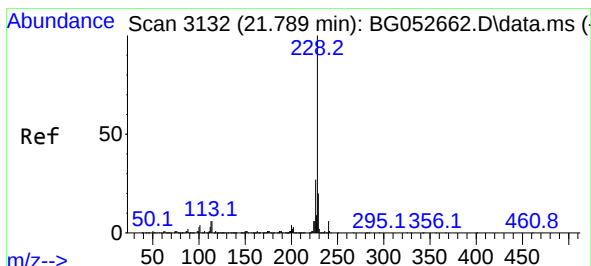
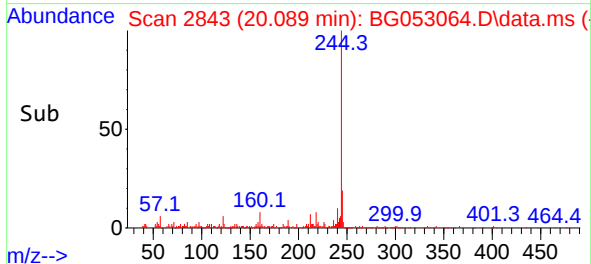
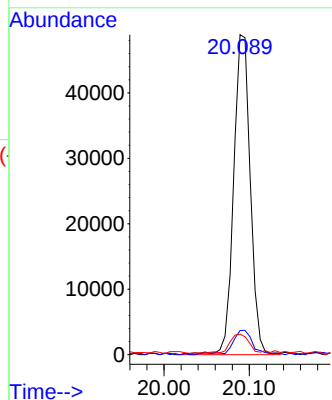
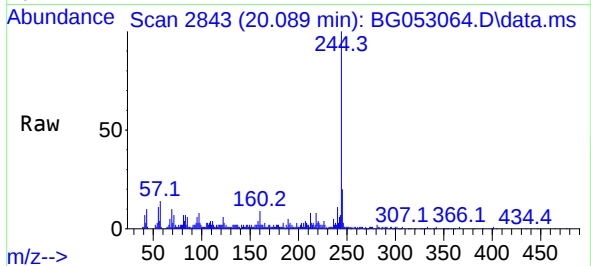
TP-3DL

Tgt Ion:244 Resp: 6640
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.2
 122 6.4 5.8 8.6

Manual Integrations

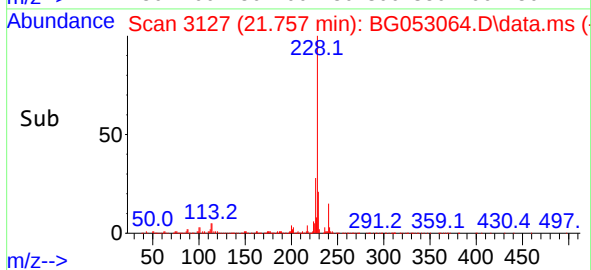
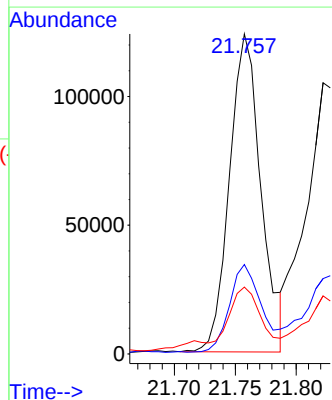
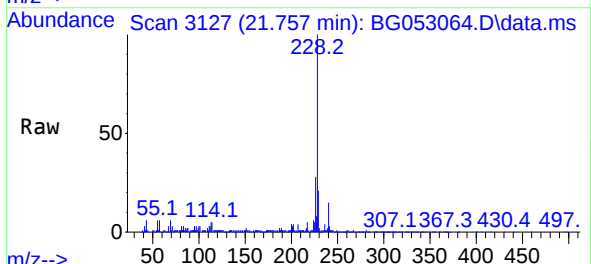
APPROVED

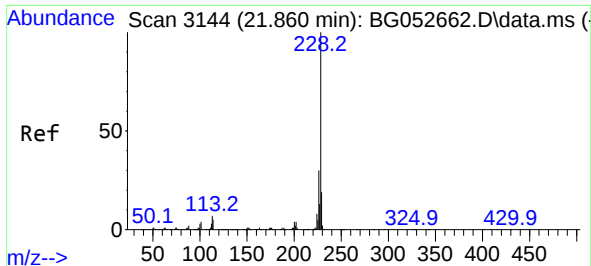
Reviewed By :Christian Giraldo 04/07/2022
 Supervised By :Jagrut Upadhyay 04/07/2022



#81
 Benzo(a)anthracene
 Concen: 18.592 ng
 RT: 21.757 min Scan# 3127
 Delta R.T. 0.001 min
 Lab File: BG053064.D
 Acq: 6 Apr 2022 21:02

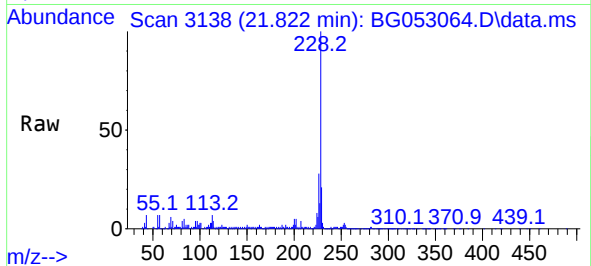
Tgt Ion:228 Resp: 222025
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.4 32.0
 229 20.9 16.7 25.1





#83
Chrysene
Concen: 18.933 ng
RT: 21.822 min Scan# 3144
Delta R.T. -0.005 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

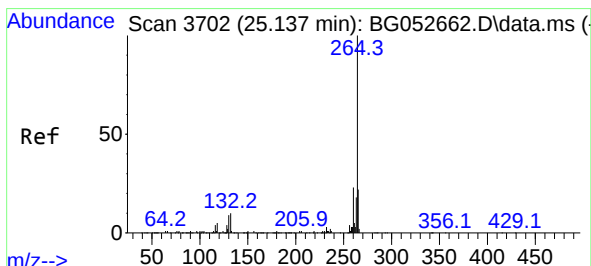
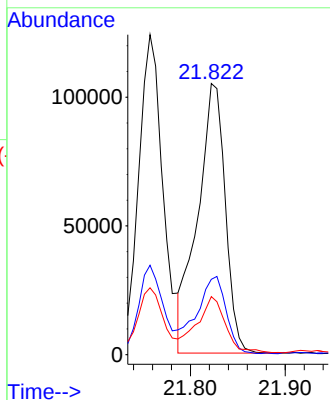
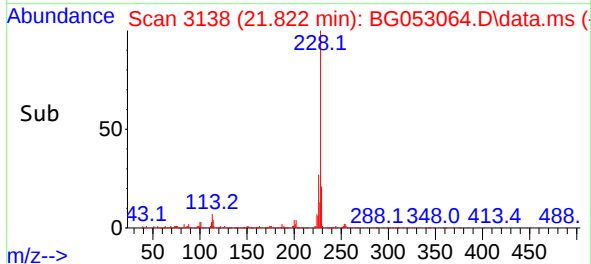
Instrument :
BNA_G
ClientSampleId :
TP-3DL



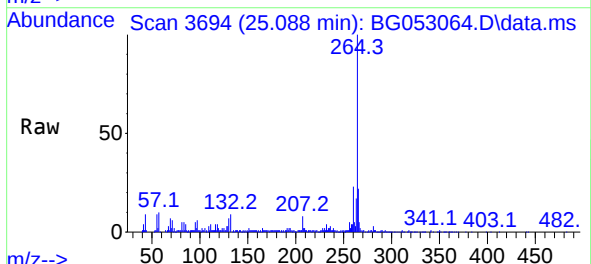
Tgt Ion:228 Resp: 212560
Ion Ratio Lower Upper
228 100
226 27.8 24.2 36.4
229 21.4 16.3 24.5

Manual Integrations
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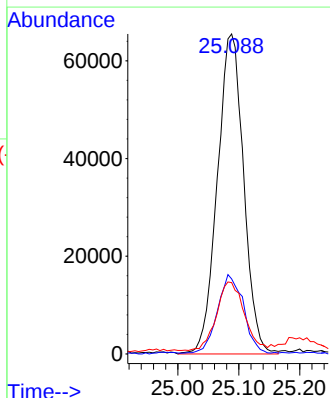
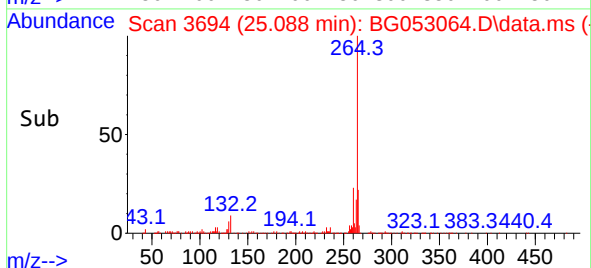
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

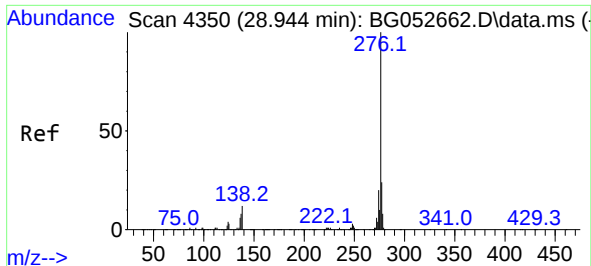


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.088 min Scan# 3694
Delta R.T. 0.007 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02



Tgt Ion:264 Resp: 196258
Ion Ratio Lower Upper
264 100
260 23.5 18.2 27.2
265 22.3 15.1 22.7





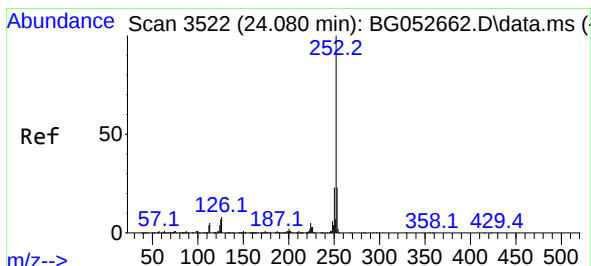
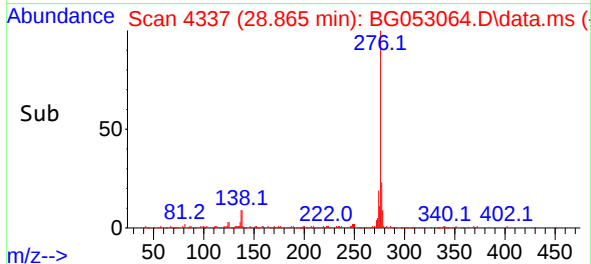
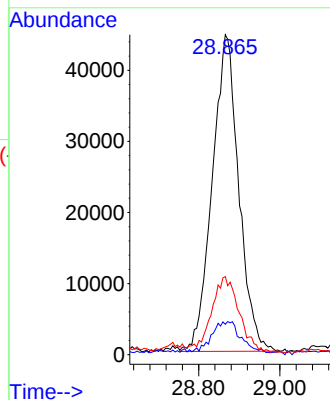
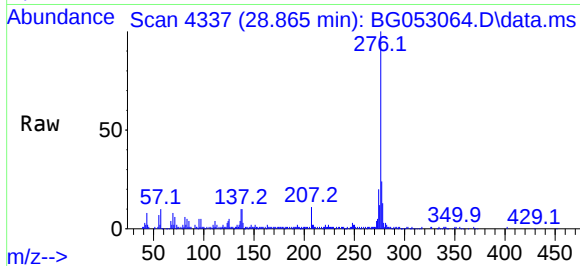
#87
Indeno(1,2,3-cd)pyrene
Concen: 15.014 ng
RT: 28.865 min Scan# 41
Delta R.T. -0.005 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

Instrument :
BNA_G
ClientSampleId :
TP-3DL

Tgt Ion:276 Resp: 20168
Ion Ratio Lower Upper
276 100
138 10.8 8.7 13.1
277 25.5 20.2 30.4

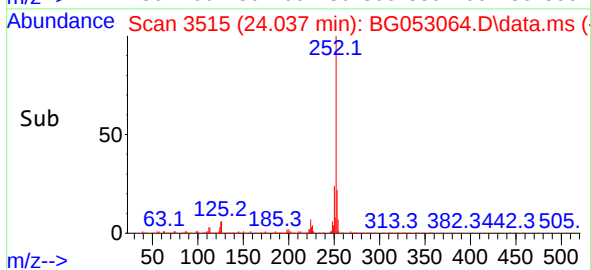
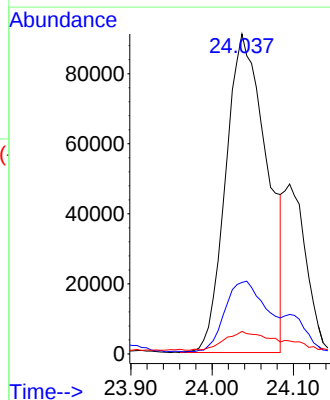
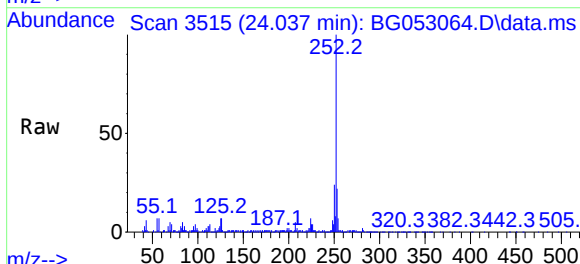
Manual Integrations
APPROVED

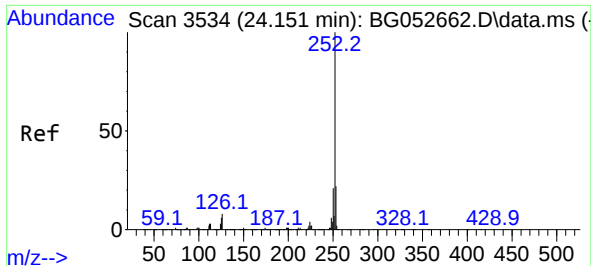
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#88
Benzo(b)fluoranthene
Concen: 26.212 ng
RT: 24.037 min Scan# 3515
Delta R.T. 0.007 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

Tgt Ion:252 Resp: 319412
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 7.0 5.2 7.8





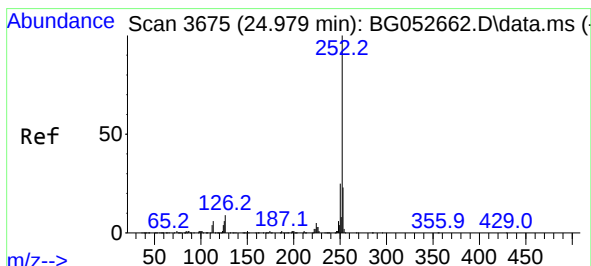
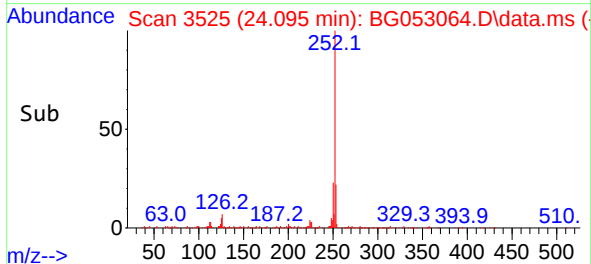
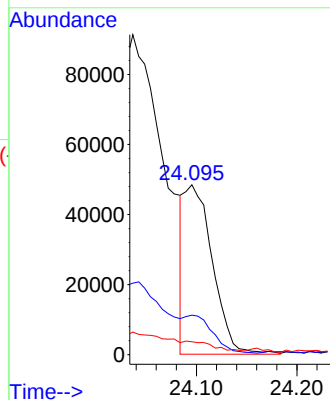
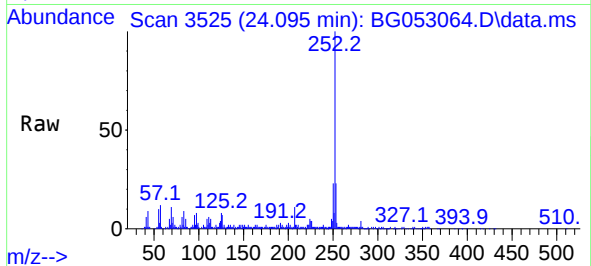
#89
Benzo(k)fluoranthene
Concen: 7.860 ng m
RT: 24.095 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

Instrument :
BNA_G
ClientSampleId :
TP-3DL

Tgt Ion:252 Resp: 9423
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 7.7 5.0 7.4

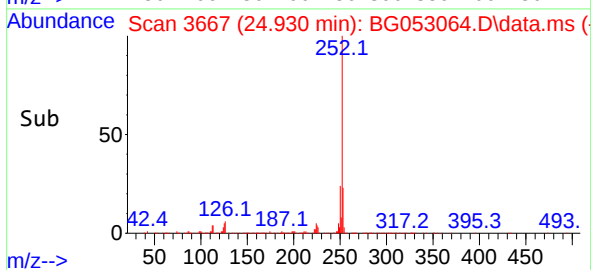
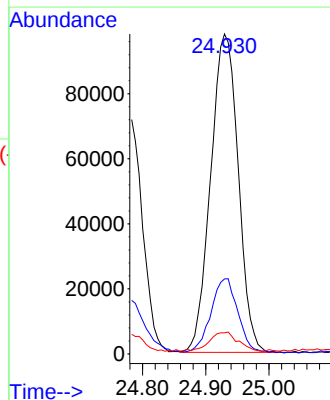
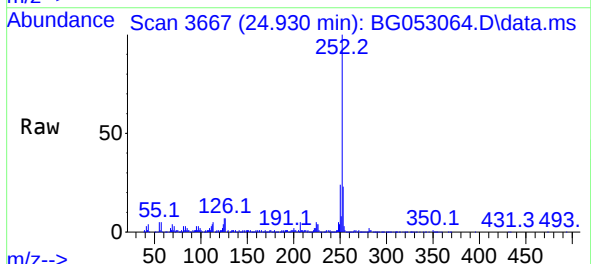
Manual Integrations
APPROVED

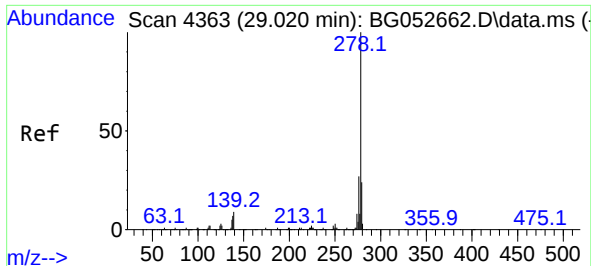
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#90
Benzo(a)pyrene
Concen: 28.740 ng
RT: 24.930 min Scan# 3667
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

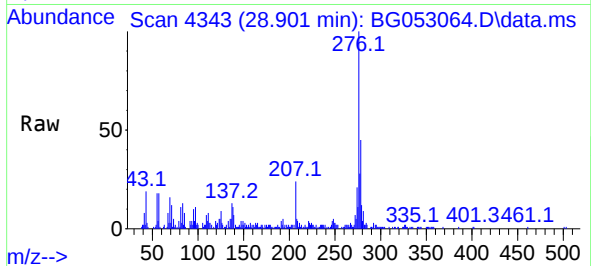
Tgt Ion:252 Resp: 296446
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 6.6 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 4.679 ng
RT: 28.901 min Scan# 41
Delta R.T. -0.029 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02

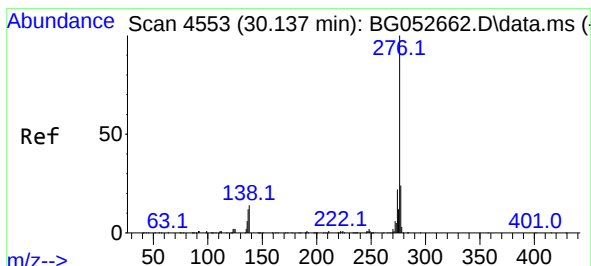
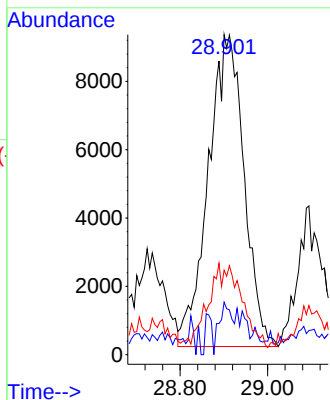
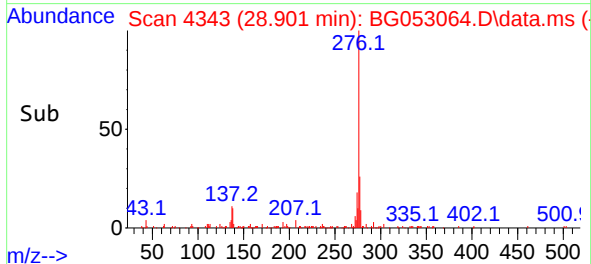
Instrument :
BNA_G
ClientSampleId :
TP-3DL



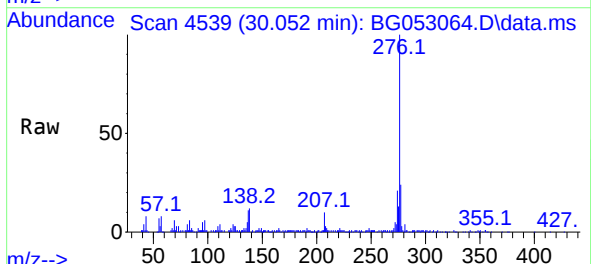
Tgt Ion:278 Resp: 5179
Ion Ratio Lower Upper
278 100
139 16.4 7.8 11.6
279 26.4 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#92
Benzo(g,h,i)perylene
Concen: 21.133 ng
RT: 30.052 min Scan# 4539
Delta R.T. 0.001 min
Lab File: BG053064.D
Acq: 6 Apr 2022 21:02



Tgt Ion:276 Resp: 231447
Ion Ratio Lower Upper
276 100
277 24.2 18.2 27.2
138 11.9 9.1 13.7

