

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
 Data File : BG054965.D
 Acq On : 15 Sep 2022 21:03
 Operator : CG/JU
 Sample : N4612-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-091322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/16/2022
 Supervised By : Jagrut Upadhyay 09/16/2022

Quant Time: Sep 16 05:33:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	44544	20.000	ng	0.00
21) Naphthalene-d8	10.955	136	176450	20.000	ng	# 0.00
39) Acenaphthene-d10	14.768	164	113068	20.000	ng	0.00
64) Phenanthrene-d10	17.518	188	231030	20.000	ng	0.00
76) Chrysene-d12	21.813	240	217883	20.000	ng	0.00
86) Perylene-d12	25.197	264	222146	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	227722	89.023	ng	0.00
7) Phenol-d6	7.289	99	304648	87.085	ng	0.00
23) Nitrobenzene-d5	9.304	82	184782	54.975	ng	0.00
42) 2,4,6-Tribromophenol	16.260	330	123510	87.419	ng	0.00
45) 2-Fluorobiphenyl	13.387	172	450495	59.884	ng	0.00
79) Terphenyl-d14	20.115	244	630591	57.345	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.559	178	59456	4.831	ng	97
75) Fluoranthene	19.568	202	255736	17.081	ng	98
78) Pyrene	19.933	202	233910	15.396	ng	98
81) Benzo(a)anthracene	21.795	228	152413	10.317	ng	98
83) Chrysene	21.860	228	134047	9.490	ng	96
87) Indeno(1,2,3-cd)pyrene	29.098	276	49857	2.956	ng	# 93
88) Benzo(b)fluoranthene	24.116	252	168684	12.105	ng	# 84
89) Benzo(k)fluoranthene	24.175	252	77966m	5.559	ng	
90) Benzo(a)pyrene	25.032	252	124740	10.477	ng	# 96
92) Benzo(g,h,i)perylene	30.338	276	45809	3.300	ng	# 91

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

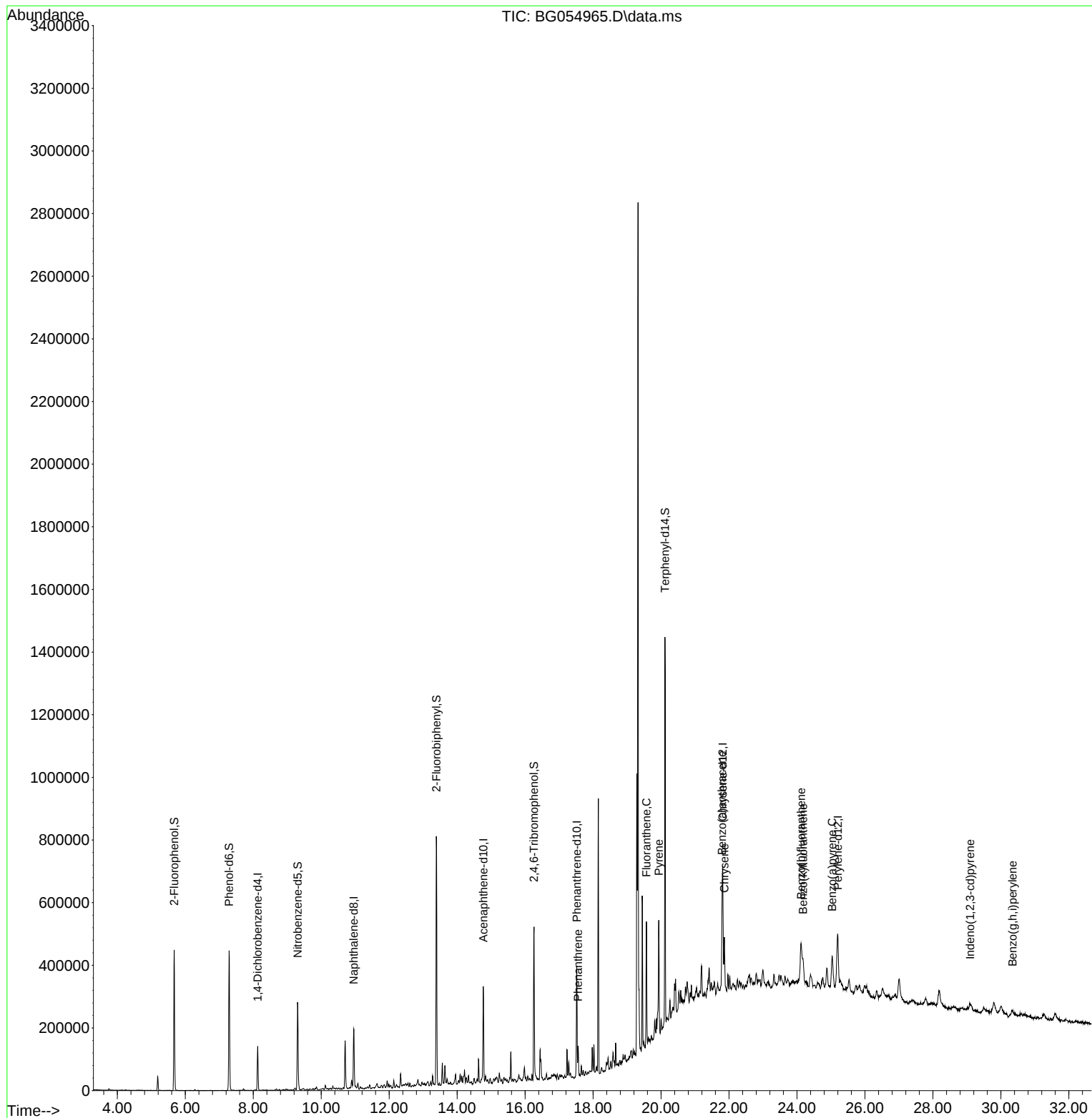
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
Data File : BG054965.D
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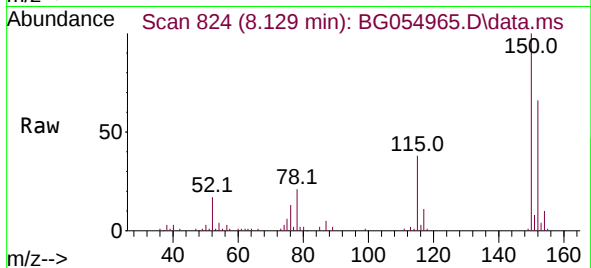
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

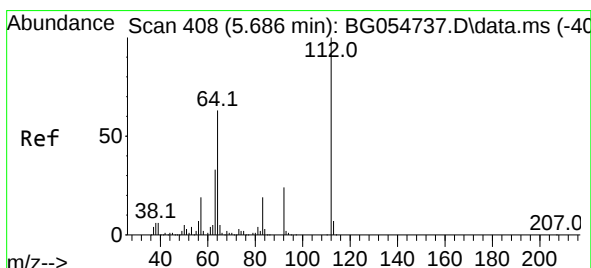
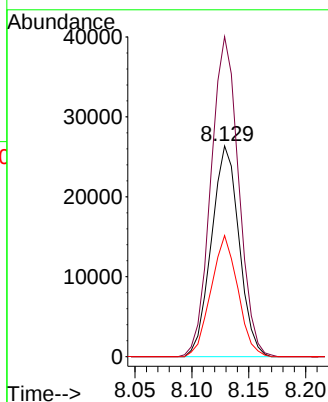
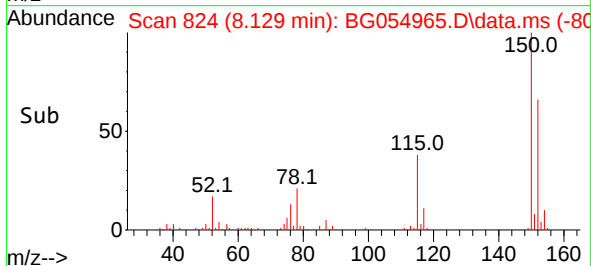
Instrument :
BNA_G
ClientSampleId :
CL-01-091322



Tgt Ion:152 Resp: 44544
Ion Ratio Lower Upper
152 100
150 151.9 125.2 187.8
115 57.4 47.9 71.9

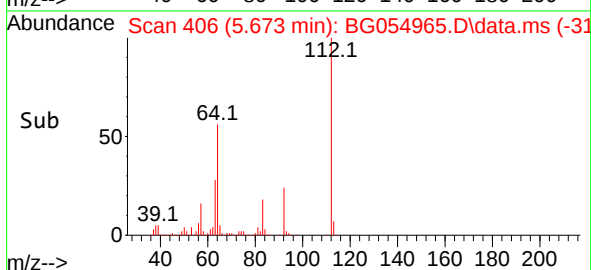
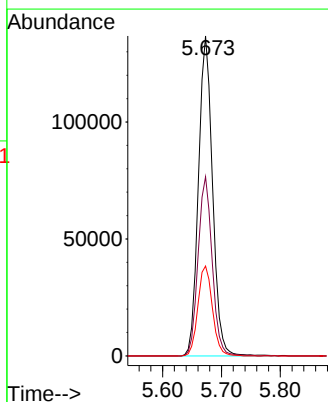
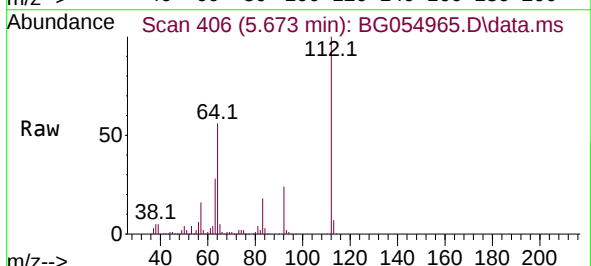
Manual Integrations
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#5
2-Fluorophenol
Concen: 89.023 ng
RT: 5.673 min Scan# 406
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

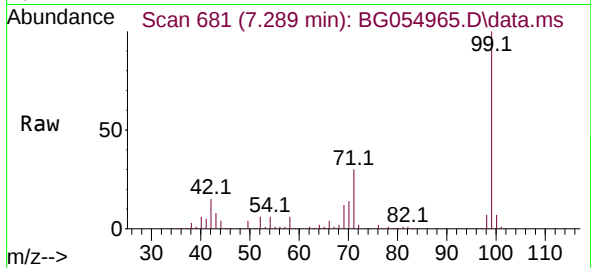
Tgt Ion:112 Resp: 227722
Ion Ratio Lower Upper
112 100
64 56.0 49.3 73.9
63 28.1 26.3 39.5





#7
Phenol-d6
Concen: 87.085 ng
RT: 7.289 min Scan# 681
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

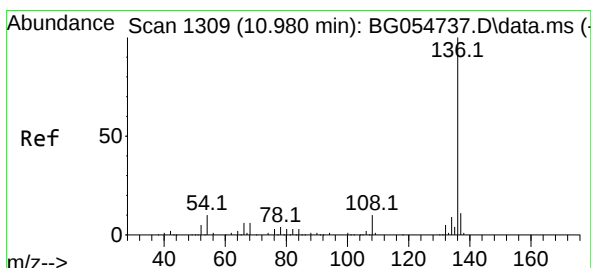
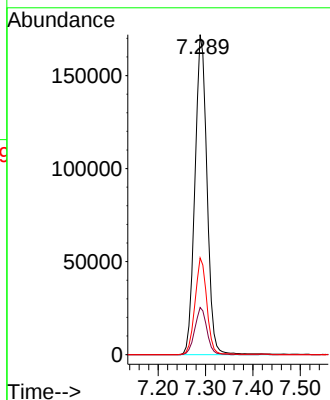
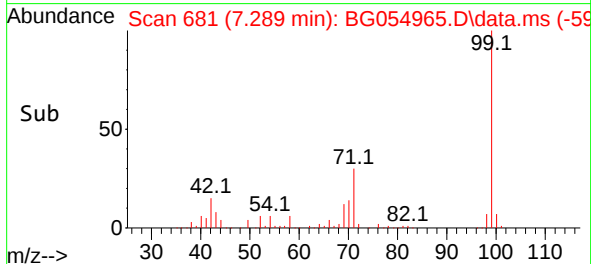
Instrument :
BNA_G
ClientSampleId :
CL-01-091322



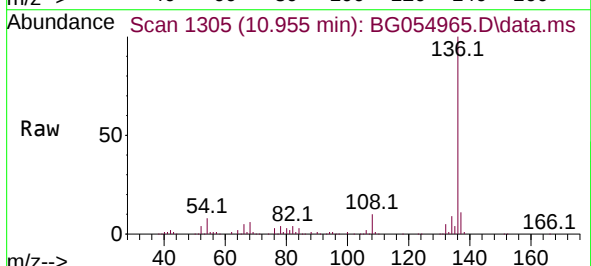
Tgt Ion: 99 Resp: 304648
Ion Ratio Lower Upper
99 100
42 14.7 14.6 22.0
71 30.2 24.6 37.0

Manual Integrations
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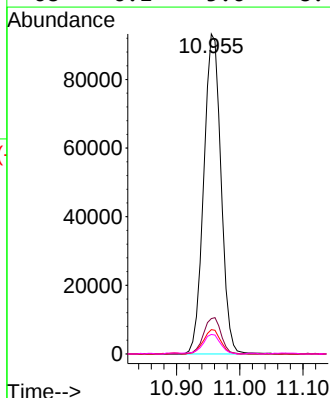
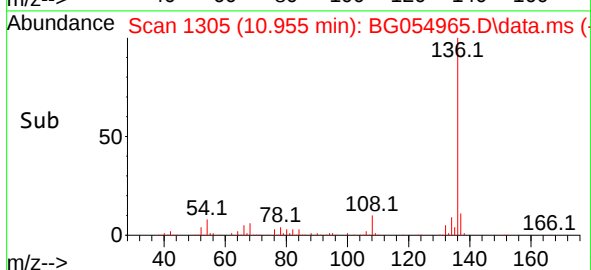
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

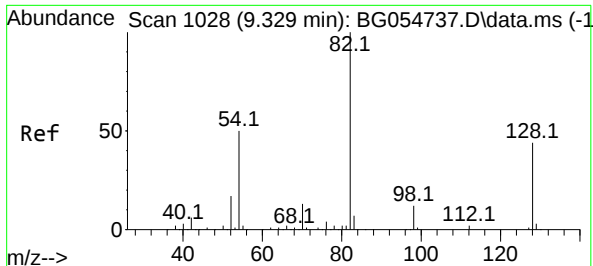


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.955 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03



Tgt Ion:136 Resp: 176450
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 7.6 7.7 11.5#
68 6.1 5.6 8.4





#23

Nitrobenzene-d5

Concen: 54.975 ng

RT: 9.304 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

Instrument :

BNA_G

ClientSampleId :

CL-01-091322

Tgt Ion: 82 Resp: 184782

Ion Ratio Lower Upper

82 100

128 45.0 32.2 48.2

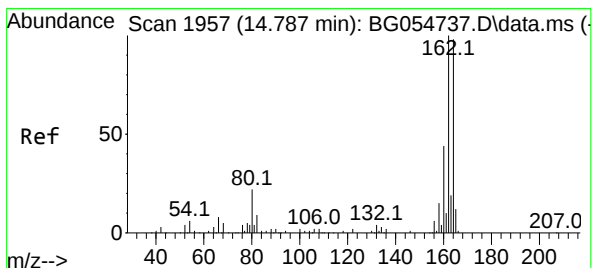
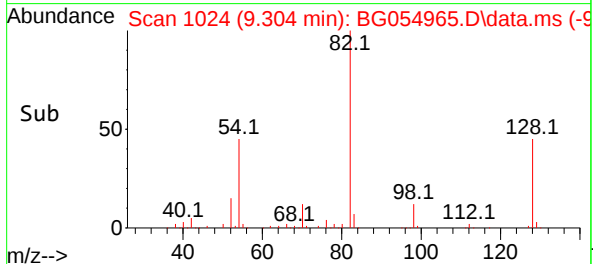
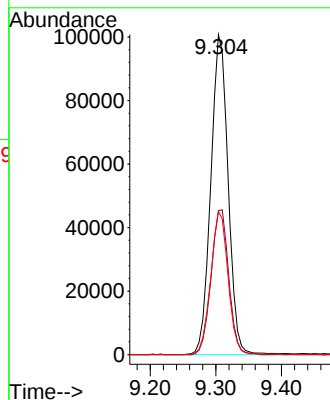
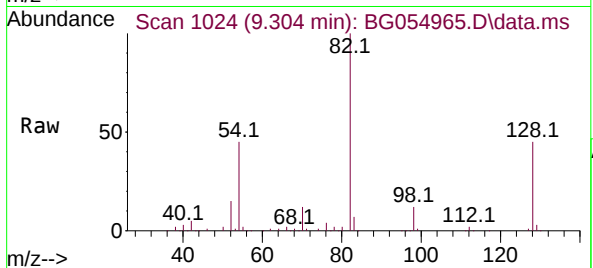
54 44.8 41.4 62.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.768 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

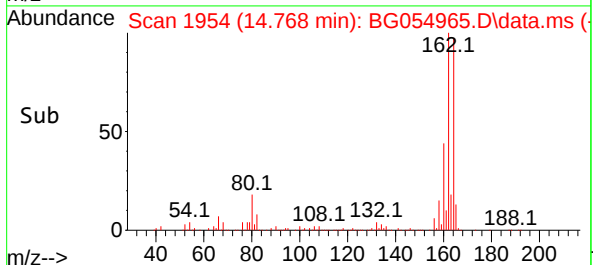
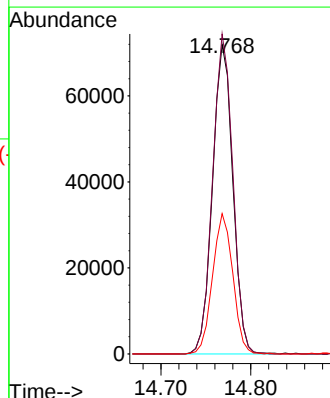
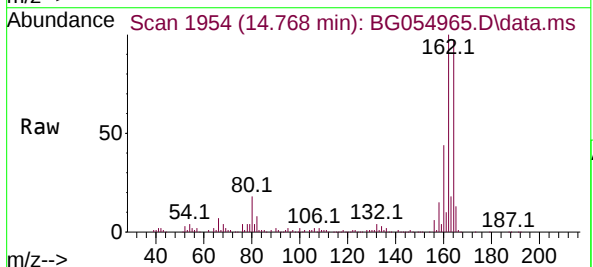
Tgt Ion:164 Resp: 113068

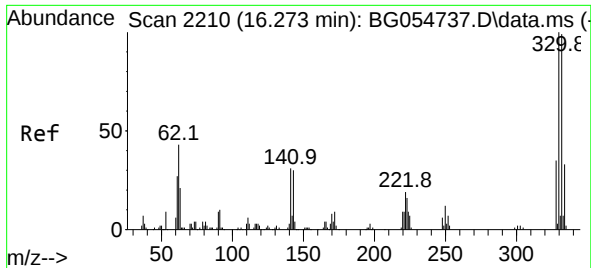
Ion Ratio Lower Upper

164 100

162 103.4 83.0 124.4

160 45.3 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 87.419 ng
RT: 16.260 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Instrument :

BNA_G

ClientSampleId :

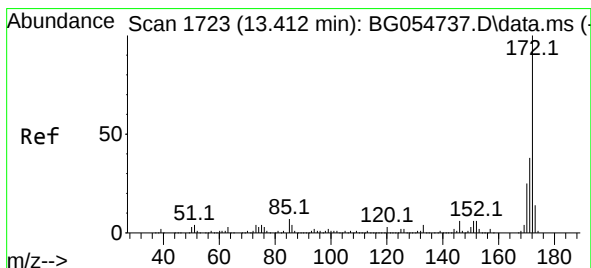
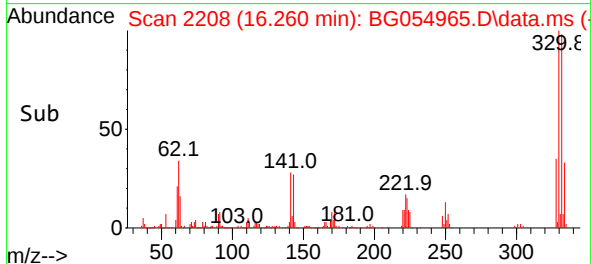
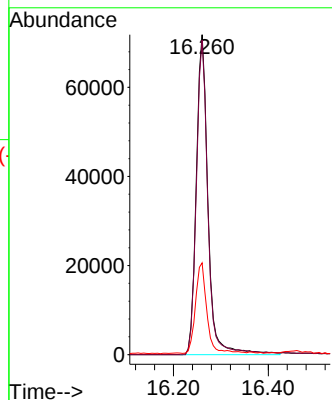
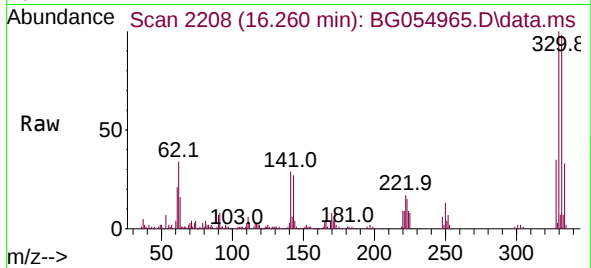
CL-01-091322

Tgt Ion:330 Resp: 123510
Ion Ratio Lower Upper
330 100
332 96.2 79.8 119.6
141 27.4 26.8 40.2

Manual Integrations

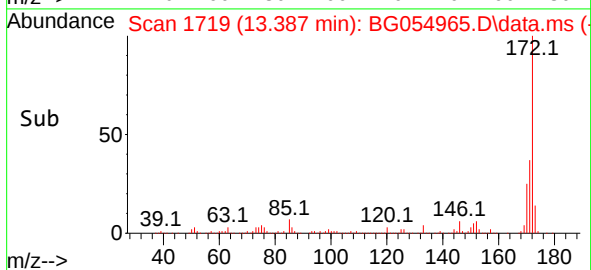
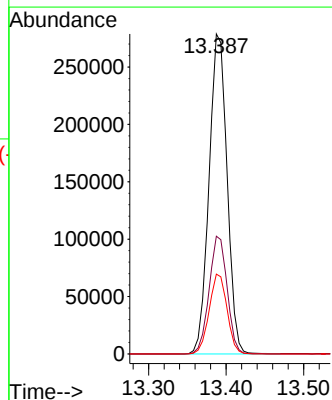
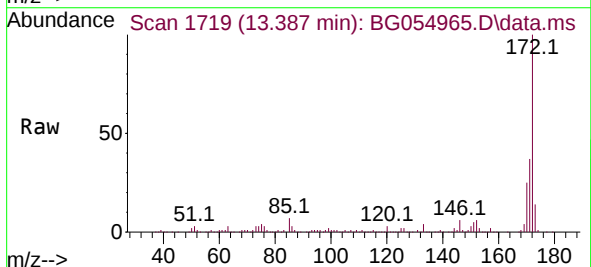
APPROVED

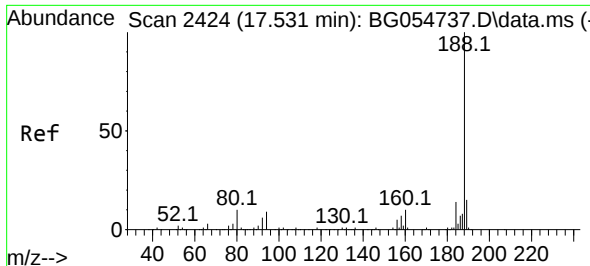
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#45
2-Fluorobiphenyl
Concen: 59.884 ng
RT: 13.387 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:172 Resp: 450495
Ion Ratio Lower Upper
172 100
171 36.8 31.2 46.8
170 24.9 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.518 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Instrument :

BNA_G

ClientSampleId :

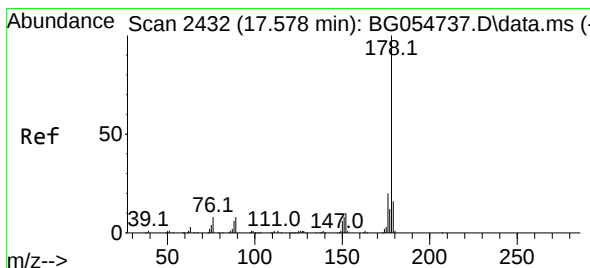
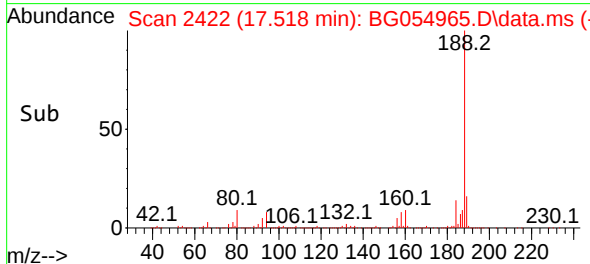
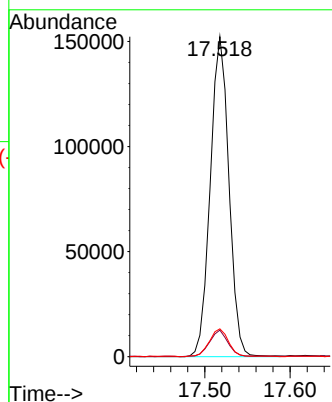
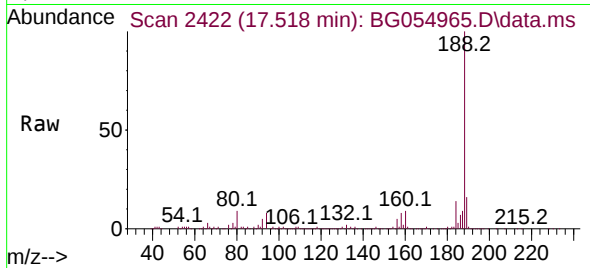
CL-01-091322

Tgt Ion:188 Resp: 231030
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 8.7 7.9 11.9

Manual Integrations

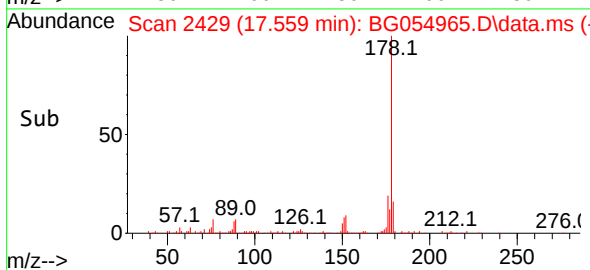
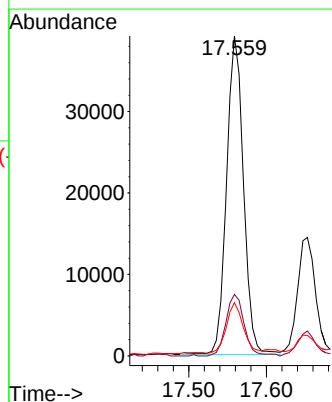
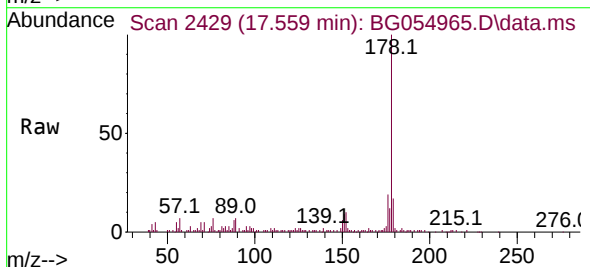
APPROVED

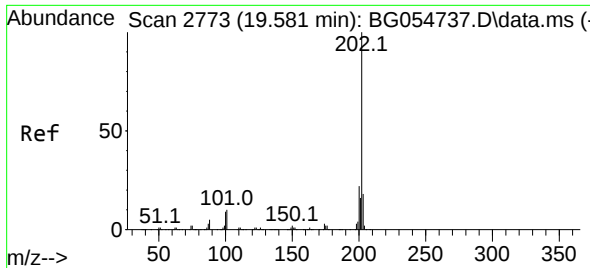
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#71
Phenanthrene
Concen: 4.831 ng
RT: 17.559 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

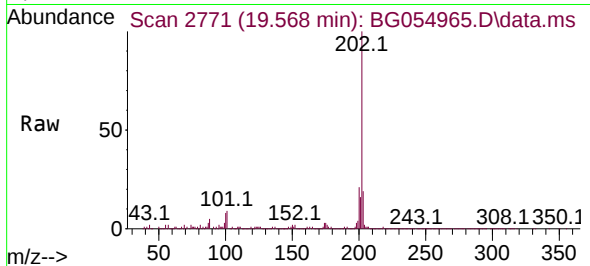
Tgt Ion:178 Resp: 59456
Ion Ratio Lower Upper
178 100
176 19.2 16.6 25.0
179 16.6 12.8 19.2





#75
Fluoranthene
Concen: 17.081 ng
RT: 19.568 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

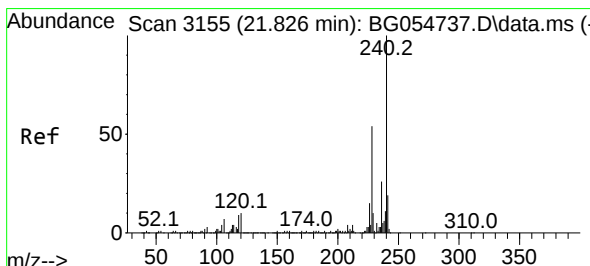
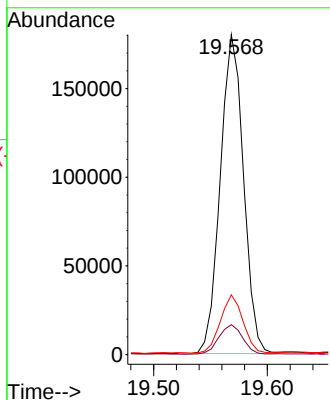
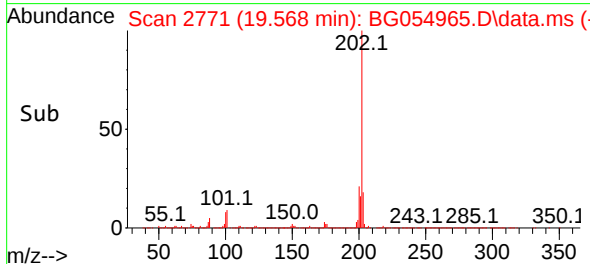
Instrument :
BNA_G
ClientSampleId :
CL-01-091322



Tgt Ion:202 Resp: 255736
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.4
203 18.7 0.0 38.6

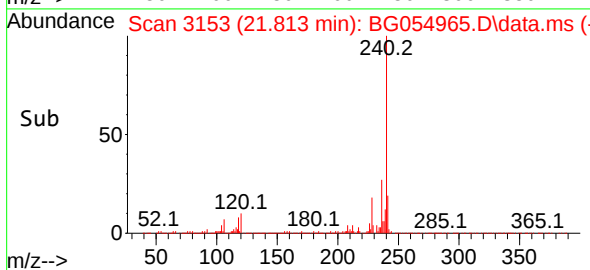
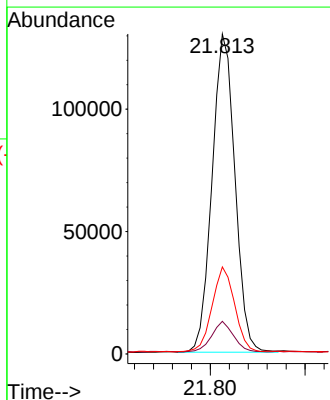
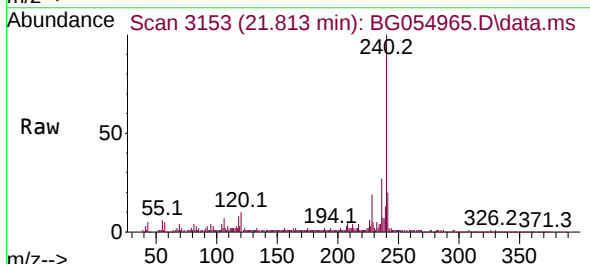
Manual Integrations
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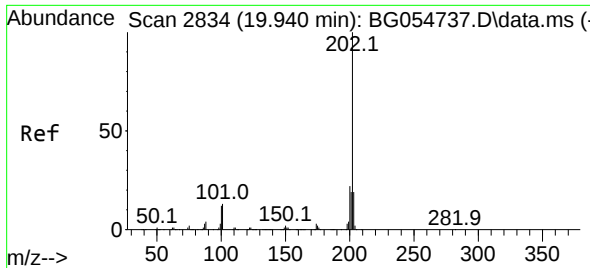
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.813 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

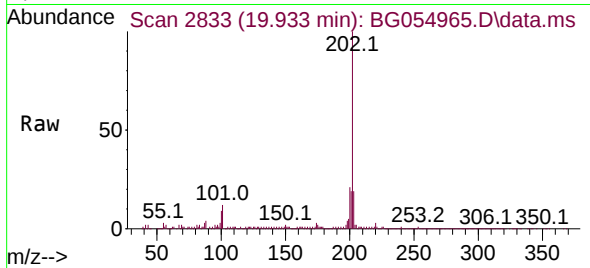
Tgt Ion:240 Resp: 217883
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.4
236 27.2 21.2 31.8





#78
Pyrene
Concen: 15.396 ng
RT: 19.933 min Scan# 2833
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

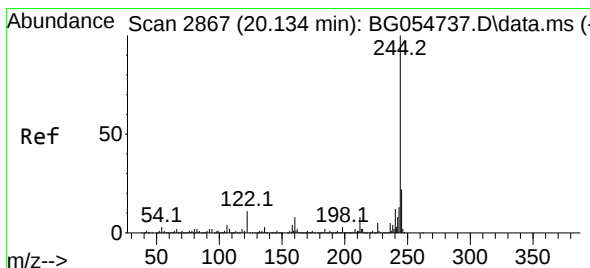
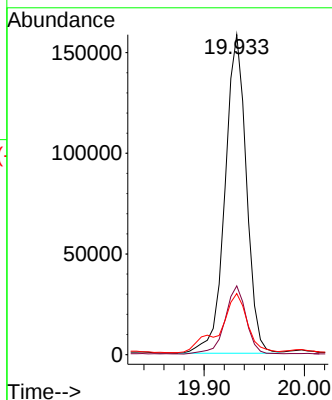
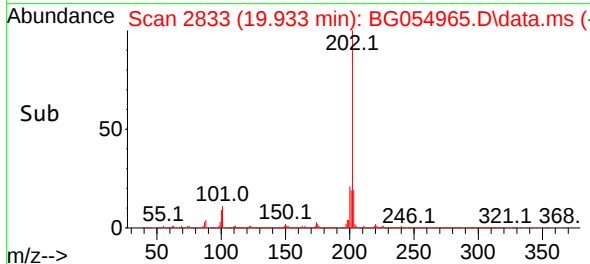
Instrument :
BNA_G
ClientSampleId :
CL-01-091322



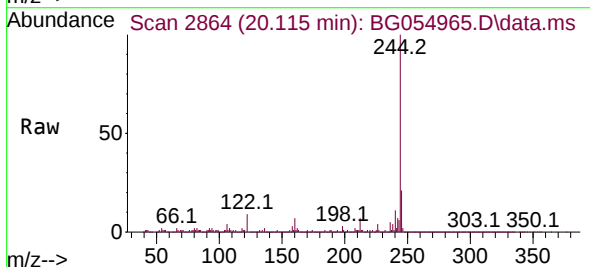
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Ion Ratio Lower Upper
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203 19.1 14.6 21.8

Manual Integrations
APPROVED

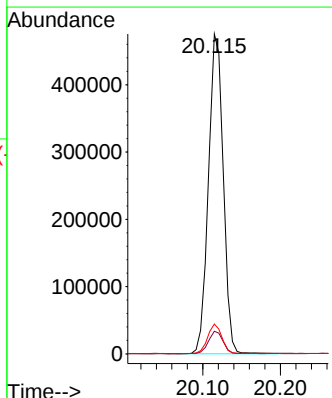
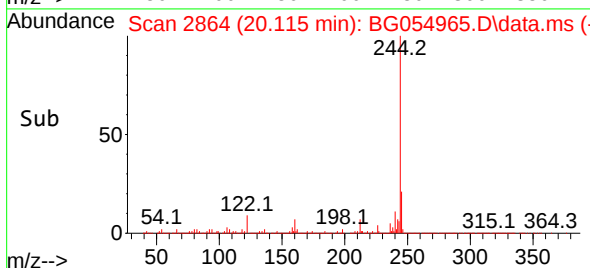
Reviewed By :Christian Giraldo 09/16/2022
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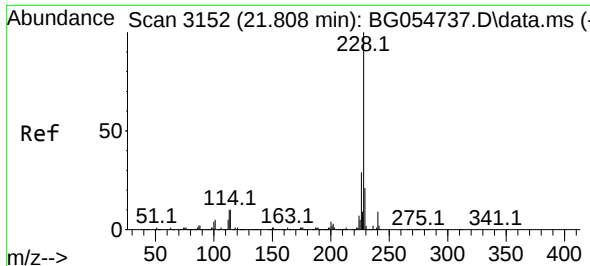


#79
Terphenyl-d14
Concen: 57.345 ng
RT: 20.115 min Scan# 2864
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03



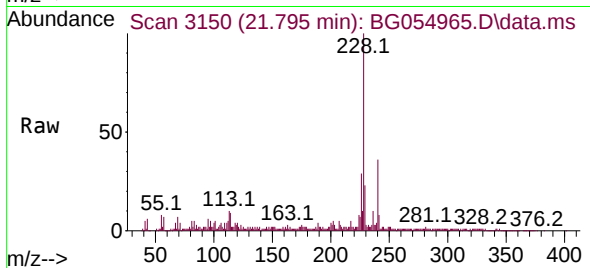
Tgt Ion:244 Resp: 630591
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.2
122 9.3 9.0 13.6





#81
Benzo(a)anthracene
Concen: 10.317 ng
RT: 21.795 min Scan# 3150
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

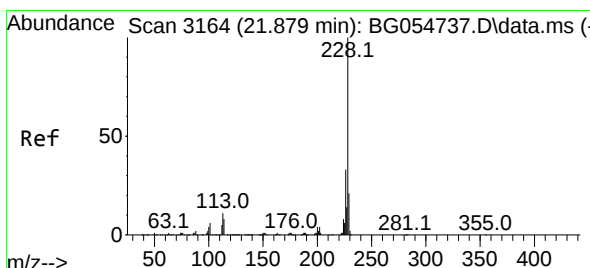
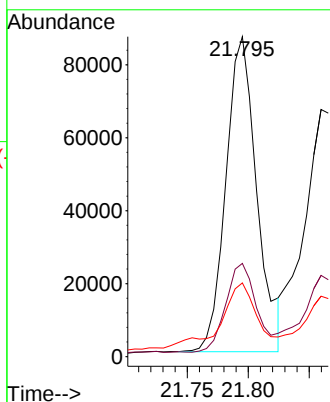
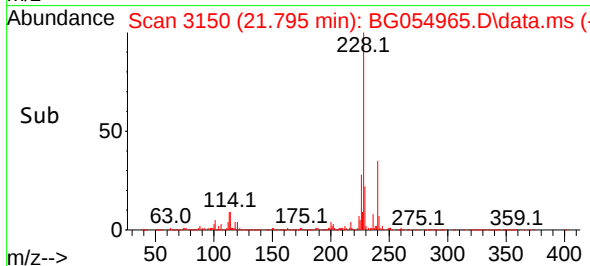
Instrument :
BNA_G
ClientSampleId :
CL-01-091322



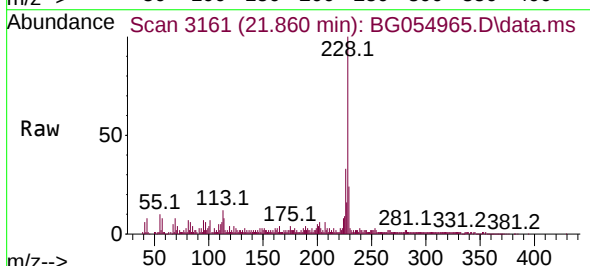
Tgt Ion:228 Resp: 152413
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.2
229 23.0 16.5 24.7

Manual Integrations
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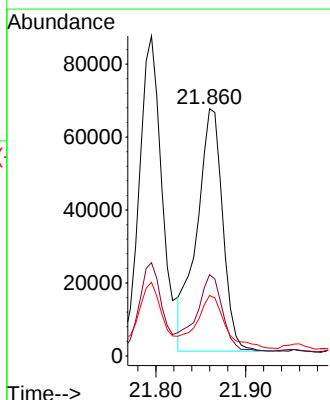
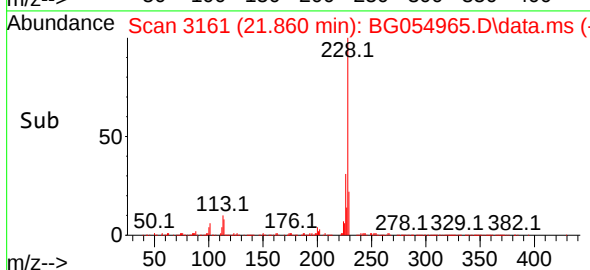
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

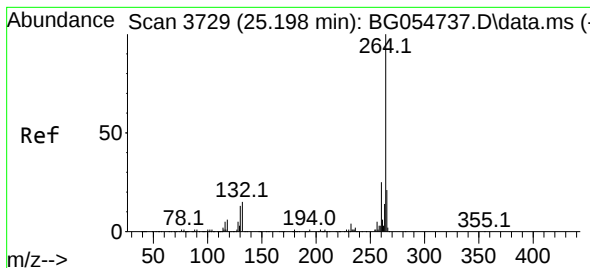


#83
Chrysene
Concen: 9.490 ng
RT: 21.860 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03



Tgt Ion:228 Resp: 134047
Ion Ratio Lower Upper
228 100
226 32.9 25.5 38.3
229 24.4 16.8 25.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.197 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

Instrument :

BNA_G

ClientSampleId :

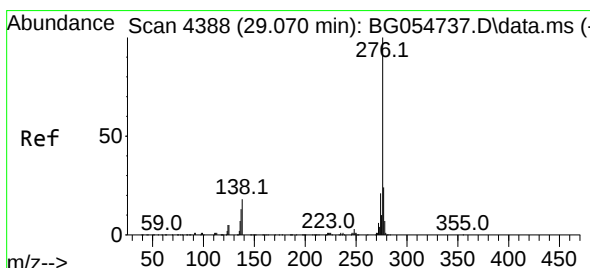
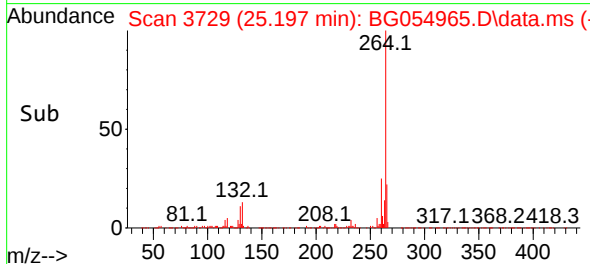
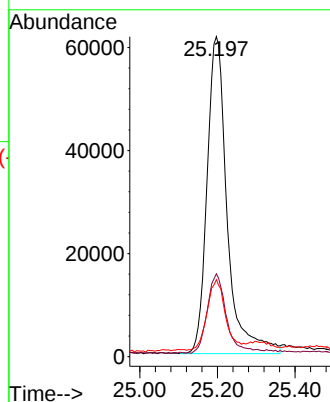
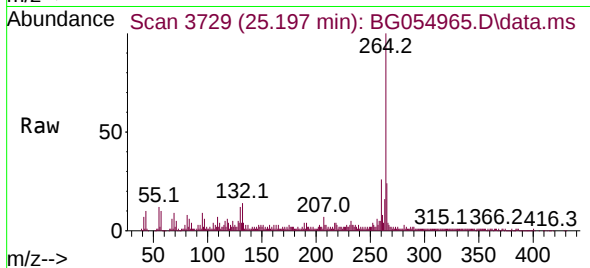
CL-01-091322

Tgt Ion:	264	Resp:	222146
Ion Ratio	Lower	Upper	
264	100		
260	25.9	19.9	29.9
265	24.0	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.956 ng

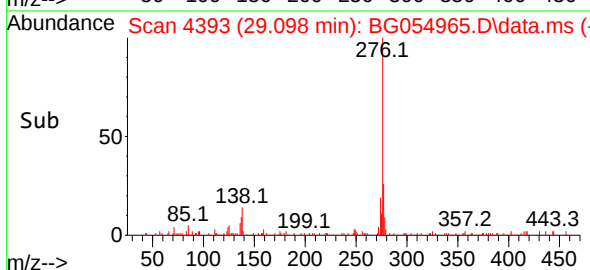
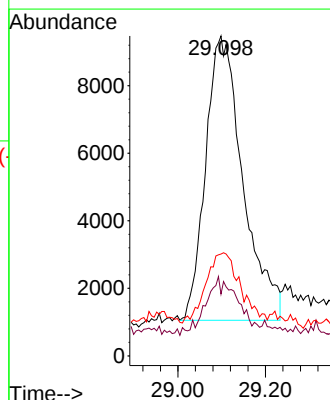
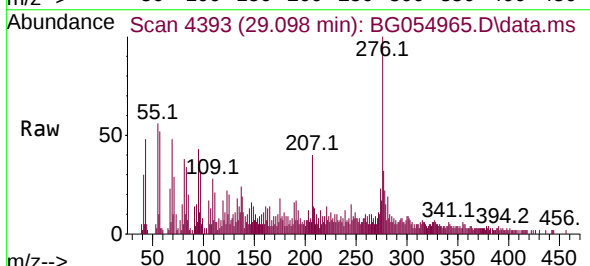
RT: 29.098 min Scan# 4393

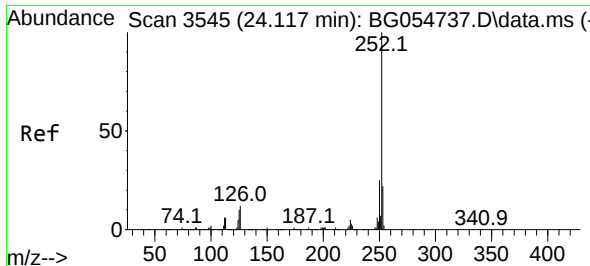
Delta R.T. 0.012 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

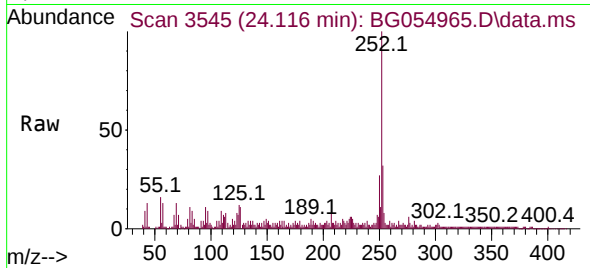
Tgt Ion:	276	Resp:	49857
Ion Ratio	Lower	Upper	
276	100		
138	8.7	12.0	18.0#
277	26.1	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 12.105 ng
RT: 24.116 min Scan# 3545
Delta R.T. 0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

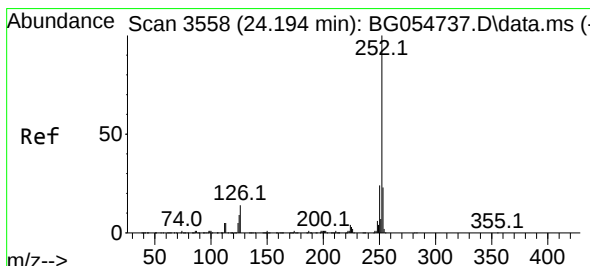
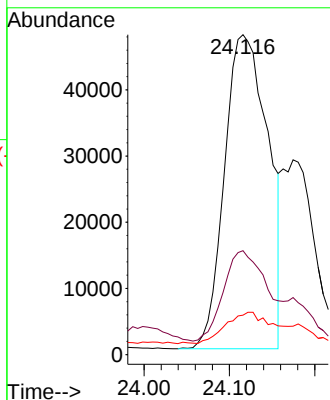
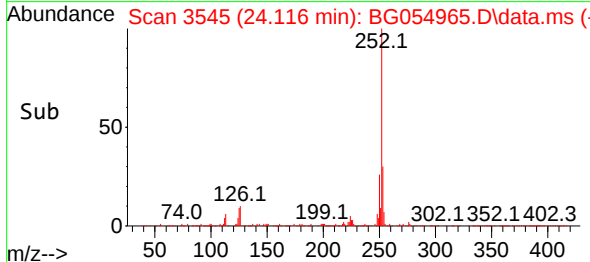
Instrument :
BNA_G
ClientSampleId :
CL-01-091322



Tgt Ion:252 Resp: 168684
Ion Ratio Lower Upper
252 100
253 32.5 18.0 27.0#
125 12.3 8.1 12.1#

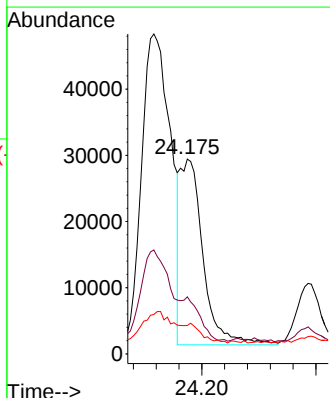
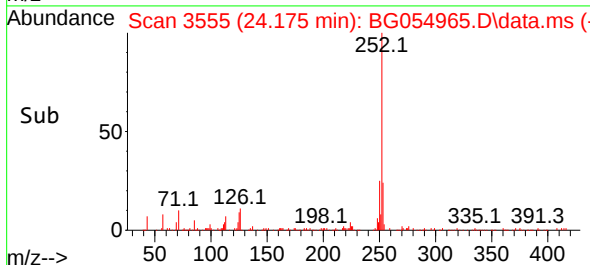
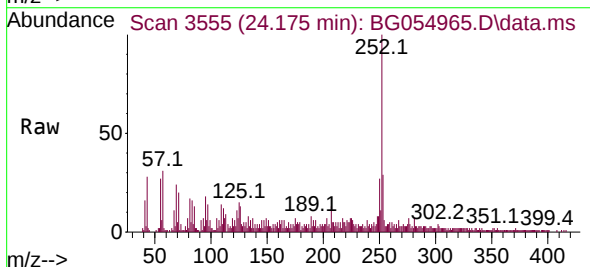
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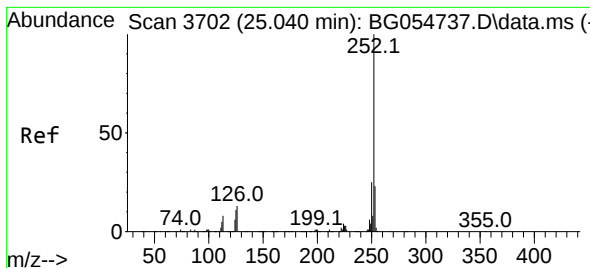
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#89
Benzo(k)fluoranthene
Concen: 5.559 ng m
RT: 24.175 min Scan# 3555
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:252 Resp: 77966
Ion Ratio Lower Upper
252 100
253 29.3 17.8 26.8#
125 14.6 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 10.477 ng

RT: 25.032 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

Instrument :

BNA_G

ClientSampleId :

CL-01-091322

Tgt Ion:252 Resp: 124740

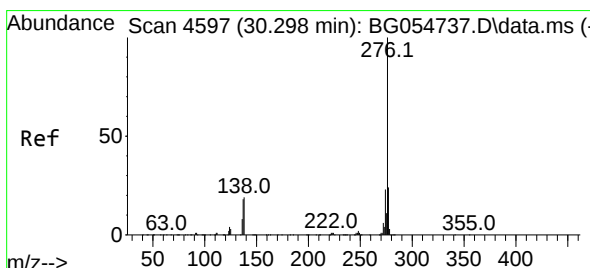
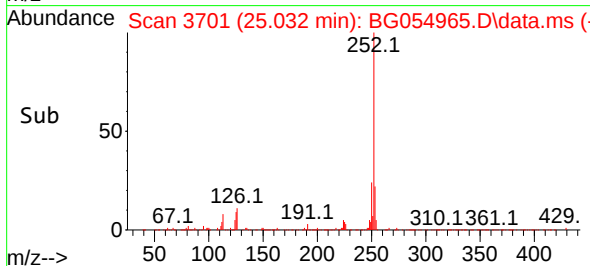
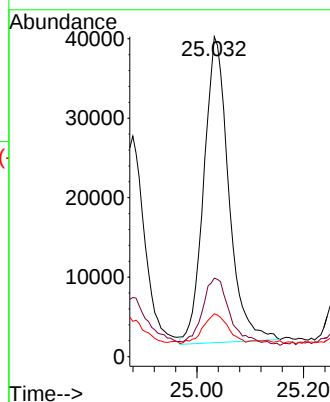
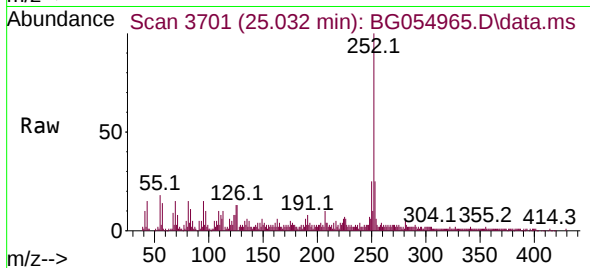
Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.3	27.5
125	13.4	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#92

Benzo(g,h,i)perylene

Concen: 3.300 ng

RT: 30.338 min Scan# 4604

Delta R.T. 0.029 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

Tgt Ion:276 Resp: 45809

Ion	Ratio	Lower	Upper
276	100		
277	31.7	19.4	29.0
138	19.7	16.6	25.0

