

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054345.D
 Acq On : 21 Jul 2022 14:54
 Operator : CG/JU
 Sample : N3810-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/22/2022
 Supervised By : Jagrut Upadhyay 07/22/2022

Quant Time: Jul 22 02:36:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.997	152	18248	20.000	ng	0.00
21) Naphthalene-d8	10.805	136	71250	20.000	ng	# 0.00
39) Acenaphthene-d10	14.636	164	58406	20.000	ng	0.00
64) Phenanthrene-d10	17.380	188	154105	20.000	ng	# 0.00
76) Chrysene-d12	21.645	240	173204	20.000	ng	# 0.00
86) Perylene-d12	24.847	264	184372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	84915	97.157	ng	0.00
7) Phenol-d6	7.174	99	118923	99.302	ng	0.00
23) Nitrobenzene-d5	9.160	82	76021	58.104	ng	0.00
42) 2,4,6-Tribromophenol	16.122	330	112518	91.753	ng	0.00
45) 2-Fluorobiphenyl	13.255	172	220885	53.351	ng	0.00
79) Terphenyl-d14	19.988	244	473330	54.213	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.415	178	29285	3.816	ng	97
75) Fluoranthene	19.430	202	59726	5.709	ng	97
78) Pyrene	19.795	202	54366	5.470	ng	98
81) Benzo(a)anthracene	21.622	228	42773m	3.890	ng	
83) Chrysene	21.692	228	35986	3.464	ng	96
88) Benzo(b)fluoranthene	23.837	252	53783	4.933	ng	# 98
90) Benzo(a)pyrene	24.701	252	35306	3.792	ng	95
92) Benzo(g,h,i)perylene	29.659	276	23326m	2.049	ng	

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

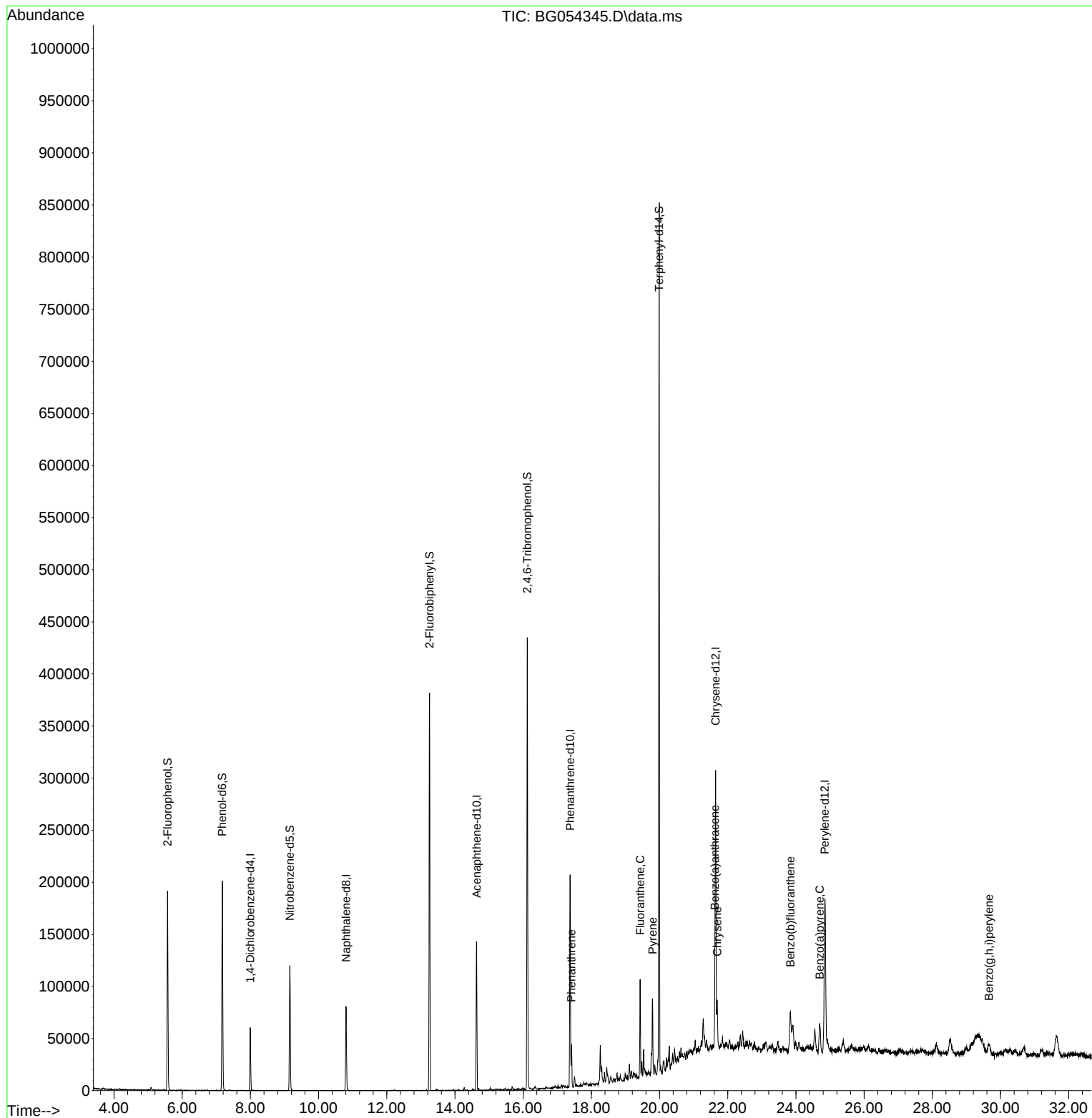
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
Data File : BG054345.D
Acq On : 21 Jul 2022 14:54
Operator : CG/JU
Sample : N3810-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

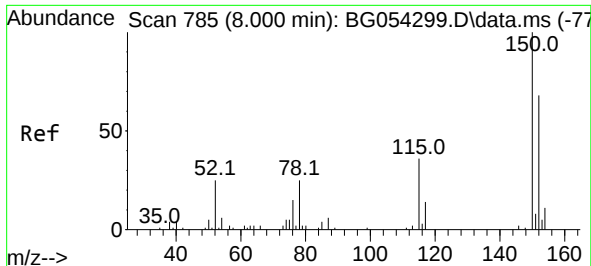
Instrument :
BNA_G
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COMP-1

Quant Time: Jul 22 02:36:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
Response via : Initial Calibration

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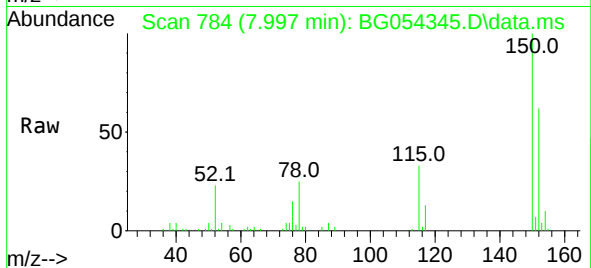
Reviewed By : Christian Giraldo 07/22/2022
Supervised By : Jagrut Upadhyay 07/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.997 min Scan# 784
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

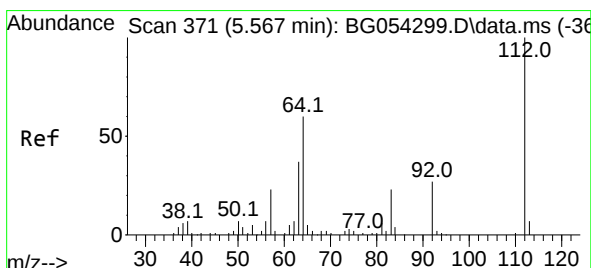
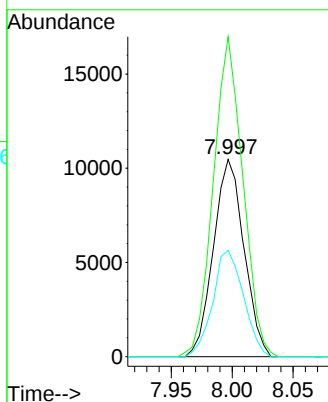
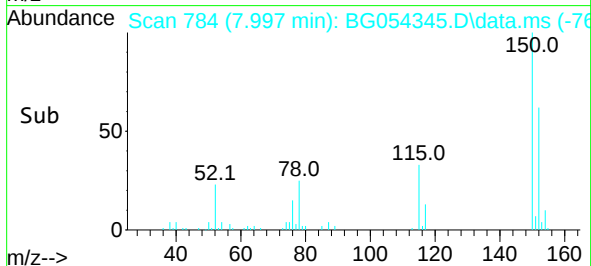
Instrument :
BNA_G
ClientSampleId :
COMP-1



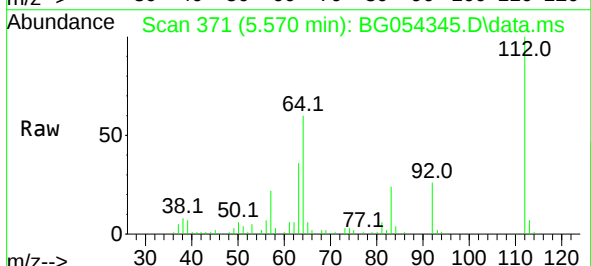
Tgt Ion:152 Resp: 18248
Ion Ratio Lower Upper
152 100
150 162.2 131.6 197.4
115 53.9 50.9 76.3

Manual Integrations
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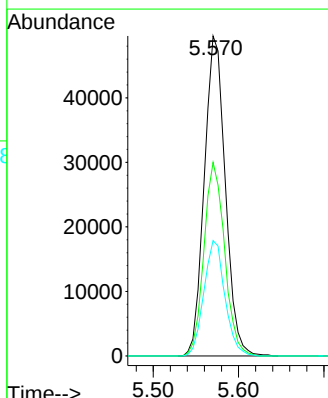
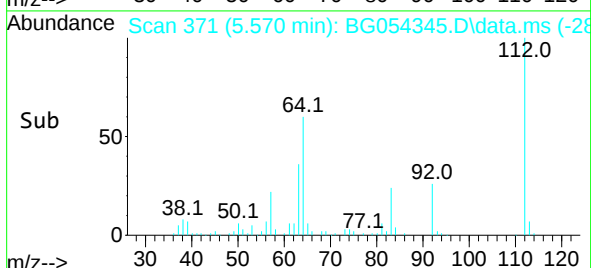
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

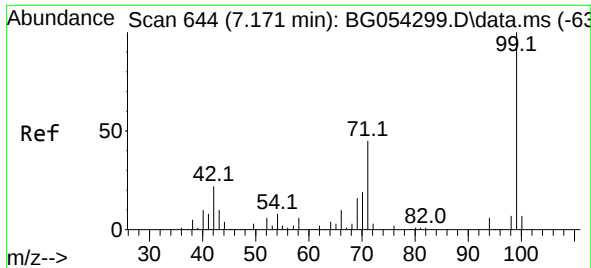


#5
2-Fluorophenol
Concen: 97.157 ng
RT: 5.570 min Scan# 371
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54



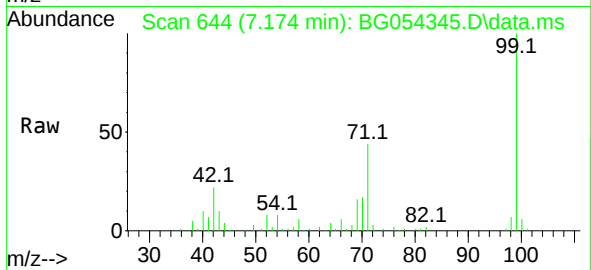
Tgt Ion:112 Resp: 84915
Ion Ratio Lower Upper
112 100
64 60.5 55.1 82.7
63 36.0 30.4 45.6





#7
Phenol-d6
Concen: 99.302 ng
RT: 7.174 min Scan# 644
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

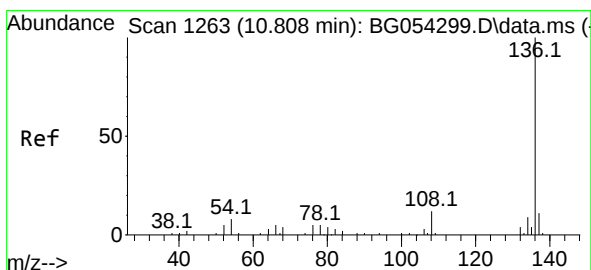
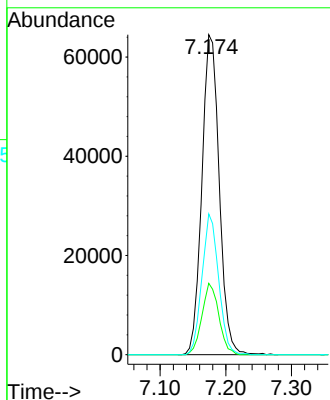
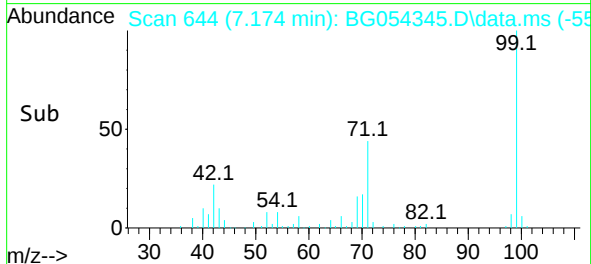
Instrument :
BNA_G
ClientSampleId :
COMP-1



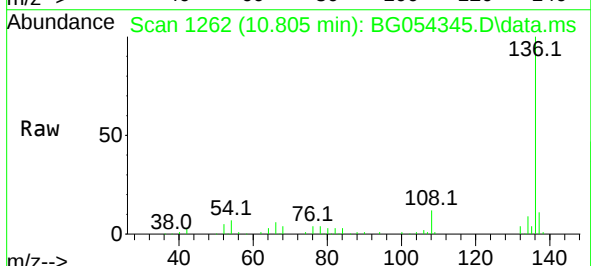
Tgt Ion: 99 Resp: 11892
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 44.0 33.8 50.8

Manual Integrations
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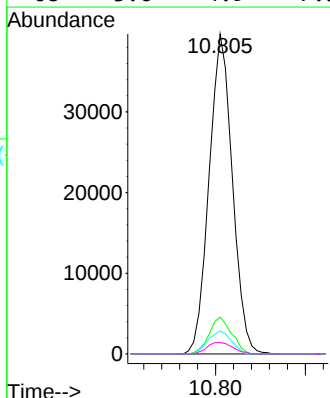
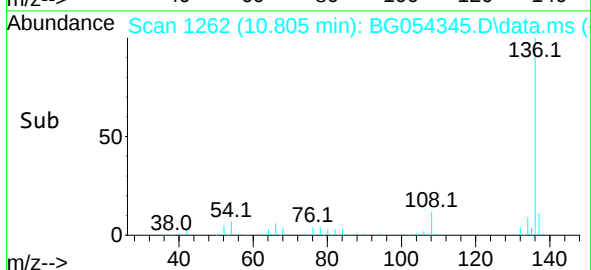
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

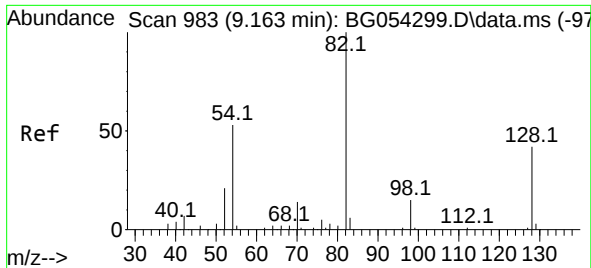


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.805 min Scan# 1262
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54



Tgt Ion:136 Resp: 71250
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 7.2 7.4 11.2#
68 3.6 4.9 7.3#





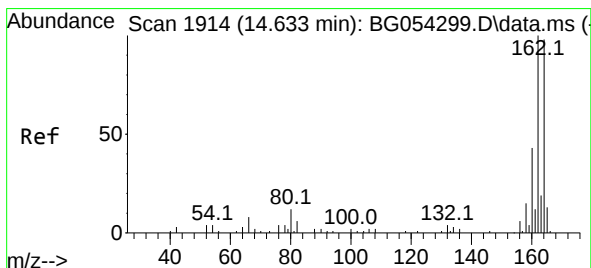
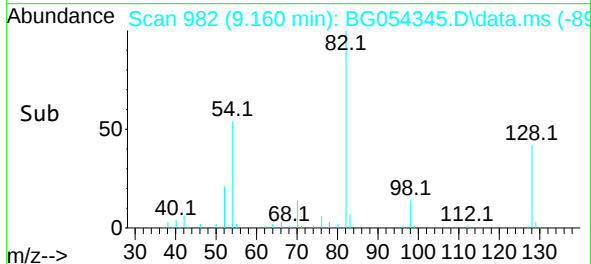
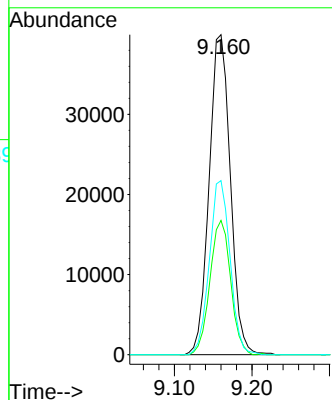
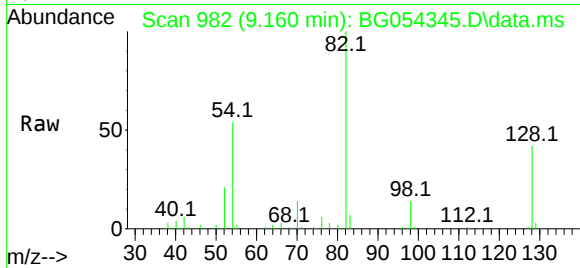
#23
Nitrobenzene-d5
Concen: 58.104 ng
RT: 9.160 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion: 82 Resp: 7602
Ion Ratio Lower Upper
82 100
128 41.9 27.9 41.9
54 54.4 41.2 61.8

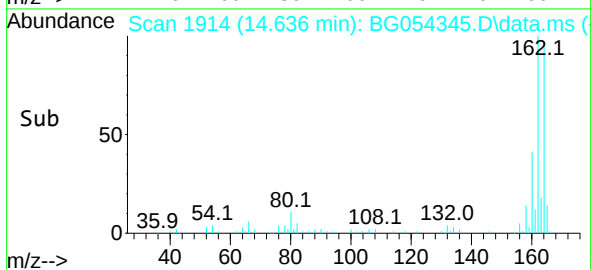
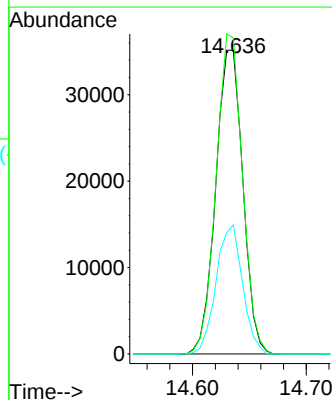
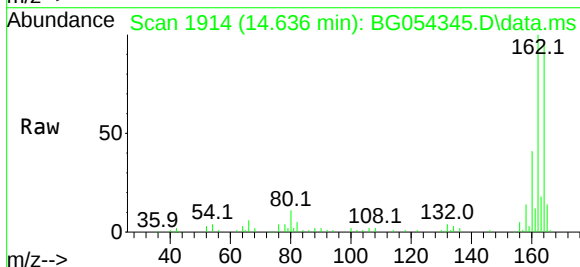
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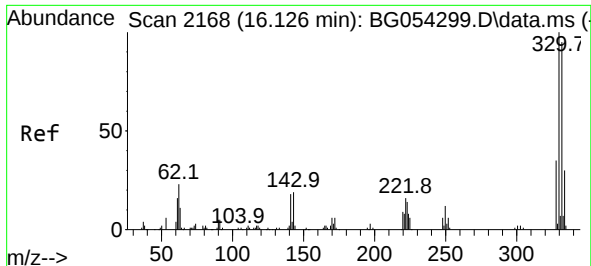
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.636 min Scan# 1914
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Tgt Ion:164 Resp: 58406
Ion Ratio Lower Upper
164 100
162 104.0 82.3 123.5
160 42.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 91.753 ng
RT: 16.122 min Scan# 2168
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Instrument :

BNA_G

ClientSampleId :

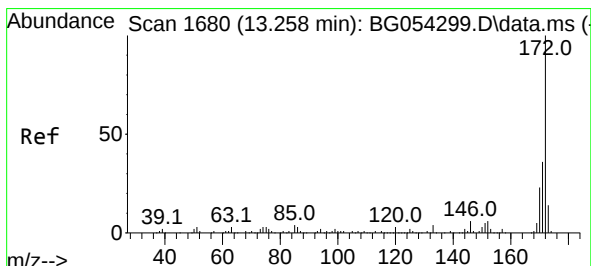
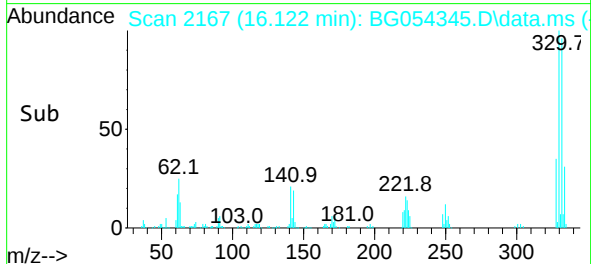
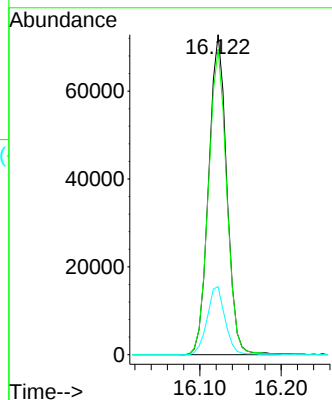
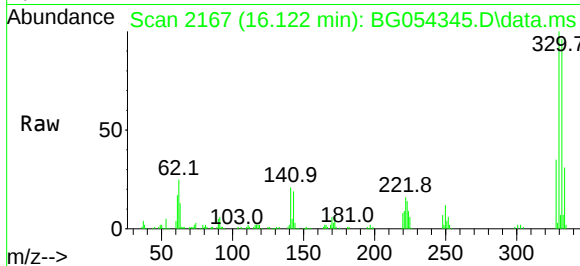
COMP-1

Tgt Ion:330 Resp: 112518
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 21.1 27.1 40.7

Manual Integrations

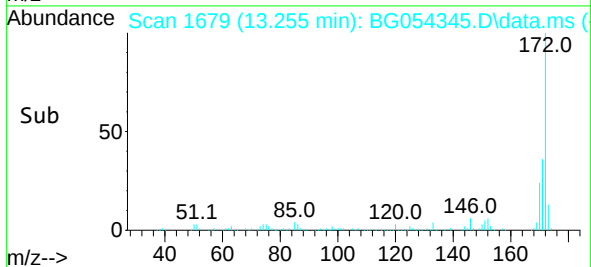
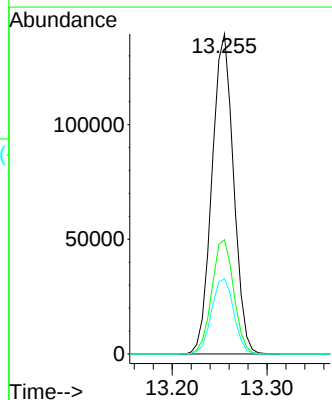
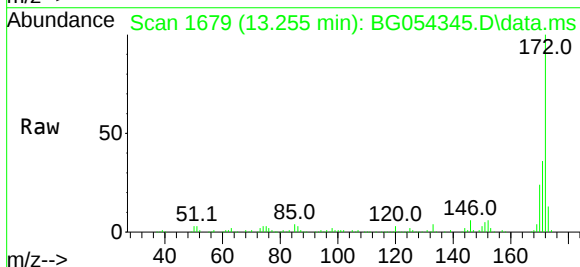
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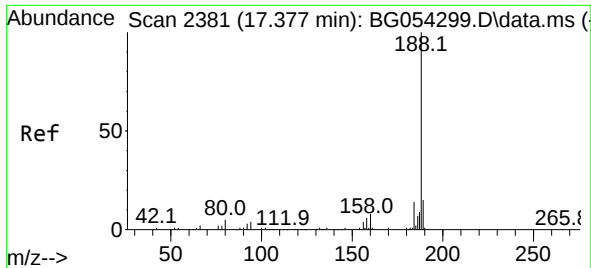
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#45
2-Fluorobiphenyl
Concen: 53.351 ng
RT: 13.255 min Scan# 1679
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

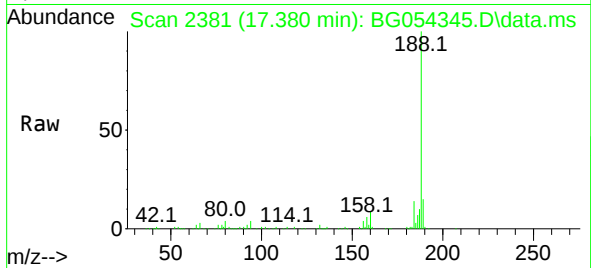
Tgt Ion:172 Resp: 220885
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.5 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

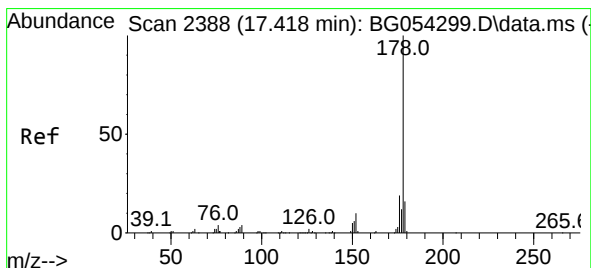
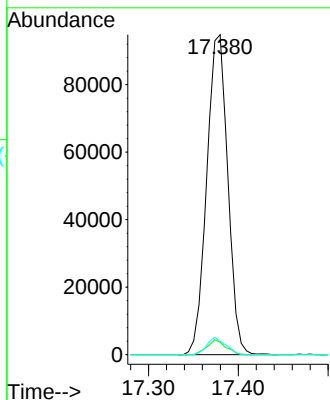
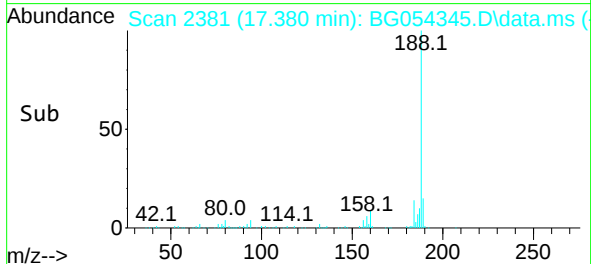
Instrument :
BNA_G
ClientSampleId :
COMP-1



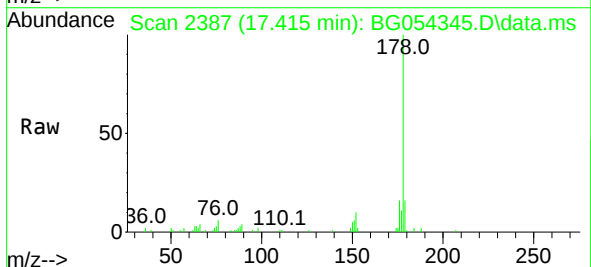
Tgt Ion:188 Resp: 15410
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0
80 4.2 6.8 10.2

Manual Integrations
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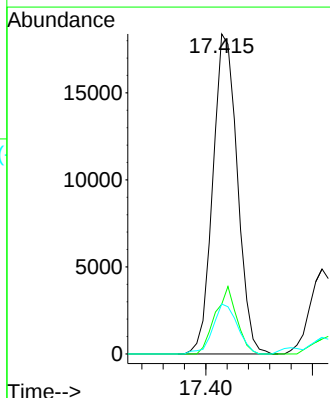
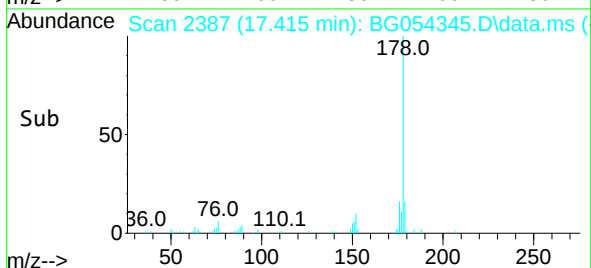
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Supervised By :Jagrut Upadhyay 07/22/2022

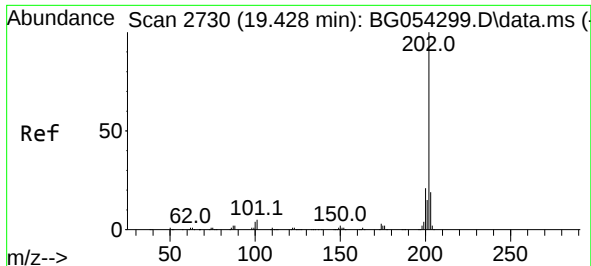


#71
Phenanthrene
Concen: 3.816 ng
RT: 17.415 min Scan# 2387
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54



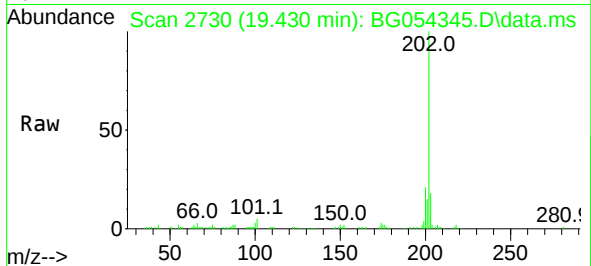
Tgt Ion:178 Resp: 29285
Ion Ratio Lower Upper
178 100
176 15.5 14.1 21.1
179 15.6 12.1 18.1





#75
Fluoranthene
Concen: 5.709 ng
RT: 19.430 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

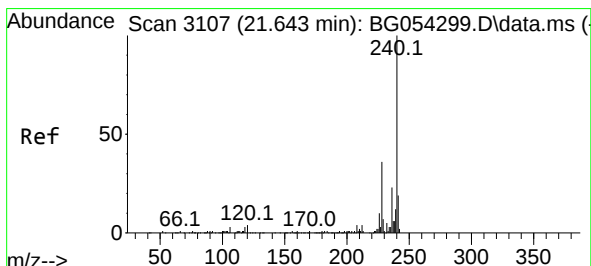
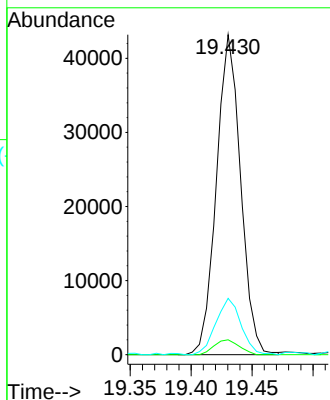
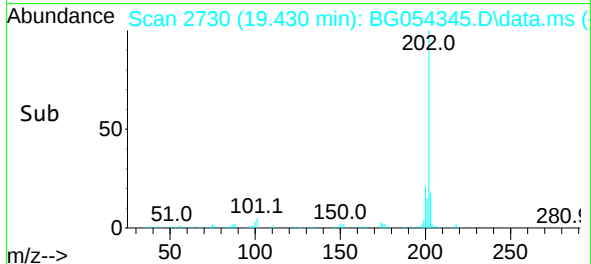
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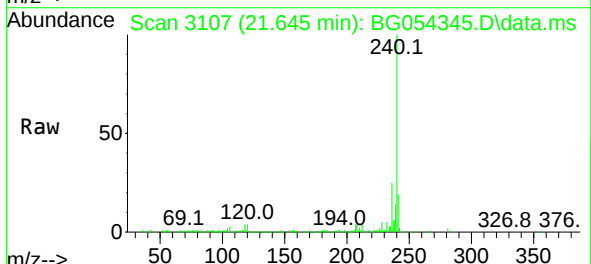
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Ion Ratio Lower Upper
202 100
101 4.7 0.0 26.9
203 17.6 0.0 37.2

Manual Integrations
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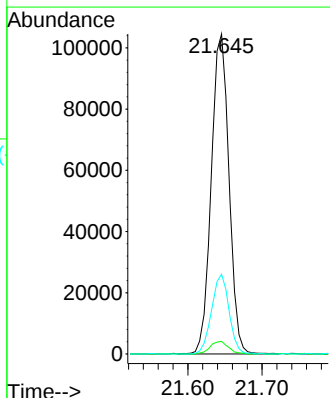
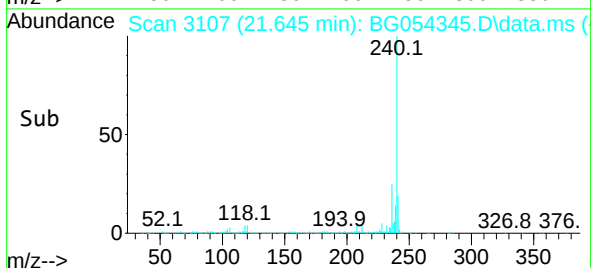
Reviewed By :Christian Giraldo 07/22/2022
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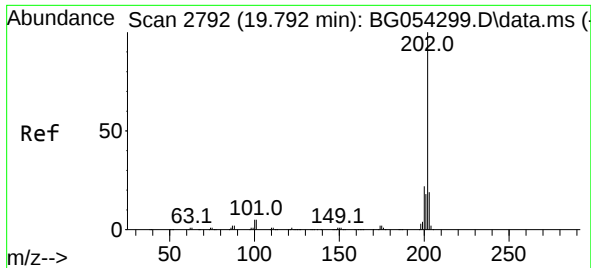


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3107
Delta R.T. 0.002 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54



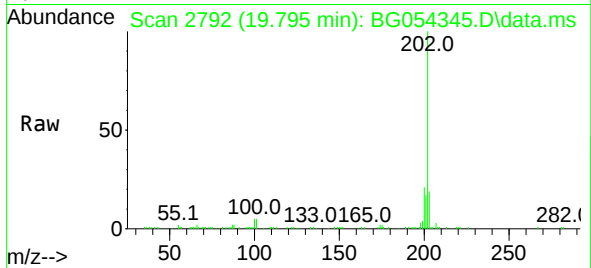
Tgt Ion:240 Resp: 173204
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 24.9 20.2 30.4





#78
Pyrene
Concen: 5.470 ng
RT: 19.795 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

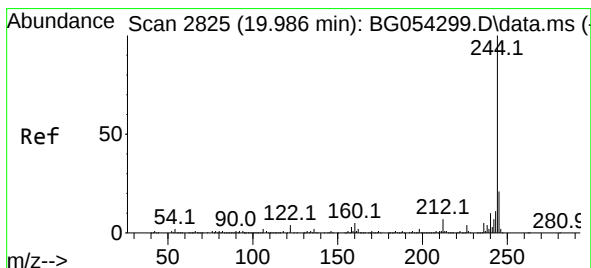
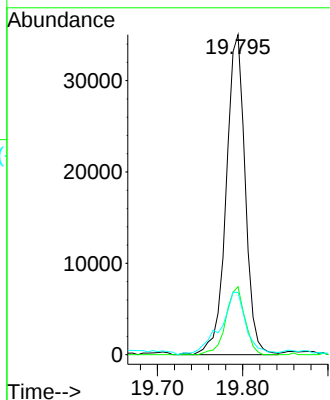
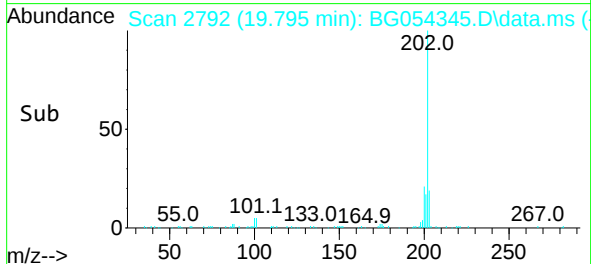
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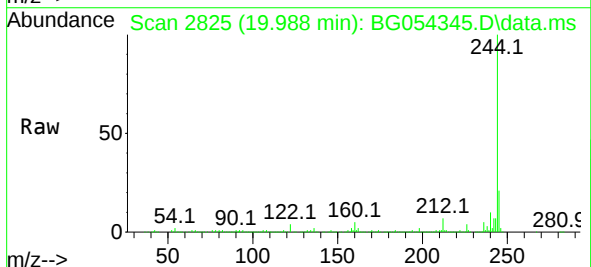
Tgt Ion:202 Resp: 54360
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 19.4 14.6 21.8

Manual Integrations
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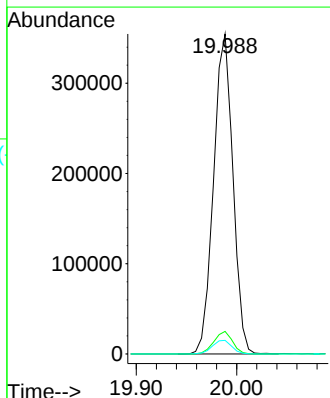
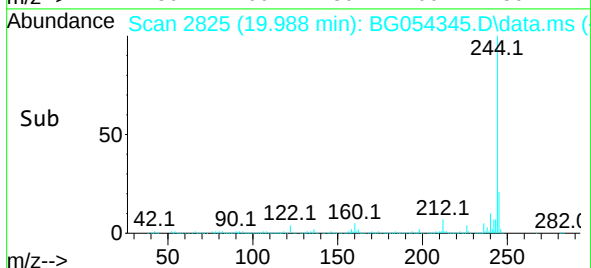
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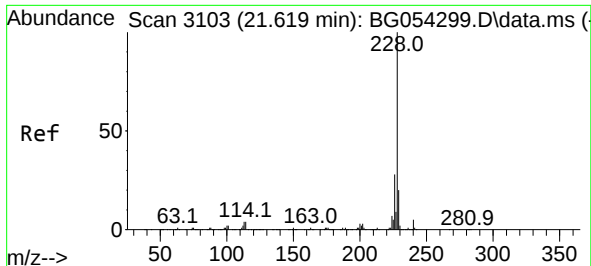


#79
Terphenyl-d14
Concen: 54.213 ng
RT: 19.988 min Scan# 2825
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54



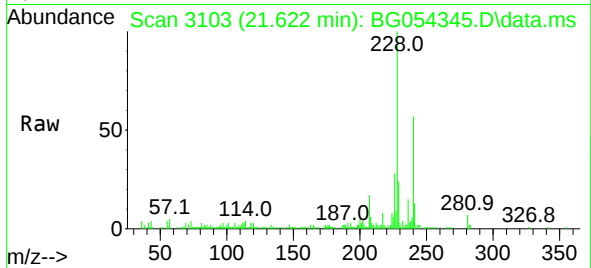
Tgt Ion:244 Resp: 473330
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 4.3 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 3.890 ng m
RT: 21.622 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

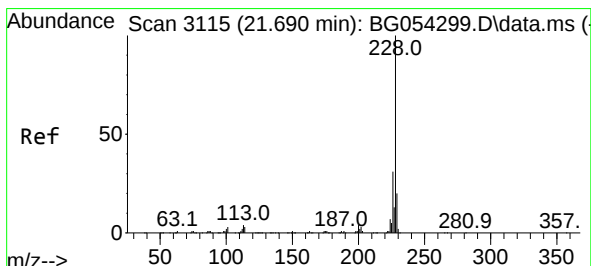
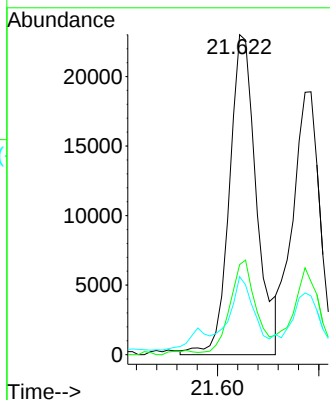
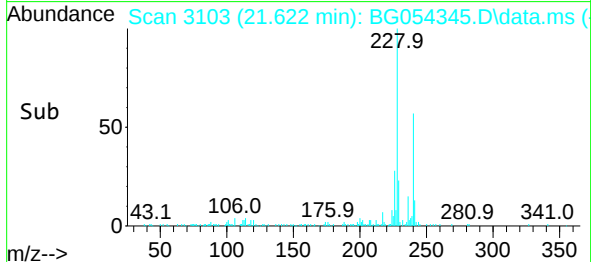
Instrument :
BNA_G
ClientSampleId :
COMP-1



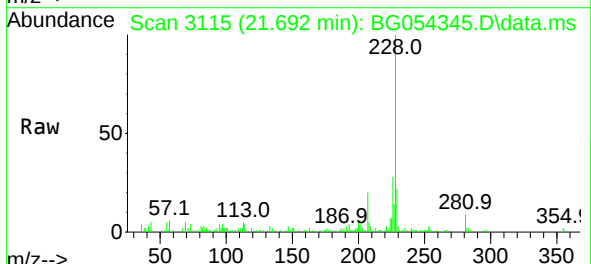
Tgt Ion:228 Resp: 42773
Ion Ratio Lower Upper
228 100
226 28.2 21.6 32.4
229 24.4 16.2 24.2

Manual Integrations
APPROVED

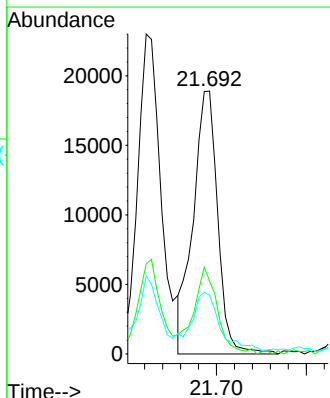
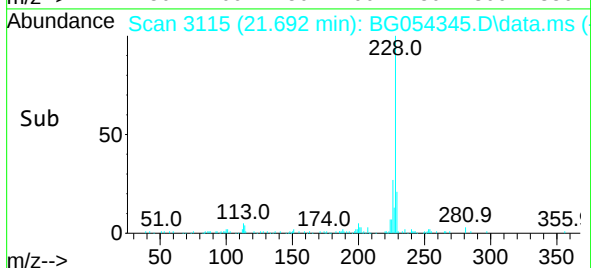
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

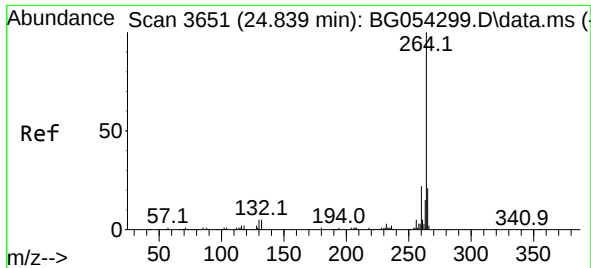


#83
Chrysene
Concen: 3.464 ng
RT: 21.692 min Scan# 3115
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54



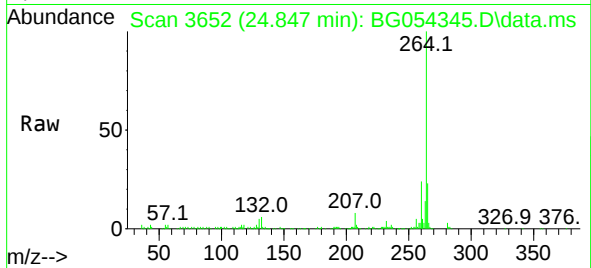
Tgt Ion:228 Resp: 35986
Ion Ratio Lower Upper
228 100
226 27.8 23.4 35.2
229 22.3 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.847 min Scan# 30
 Delta R.T. 0.009 min
 Lab File: BG054345.D
 Acq: 21 Jul 2022 14:54

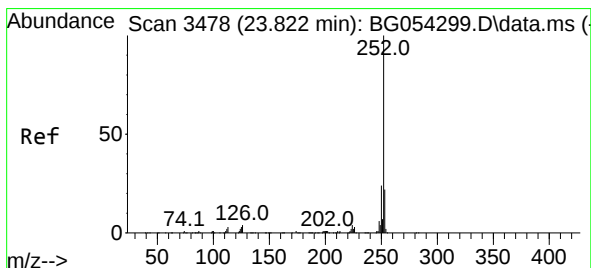
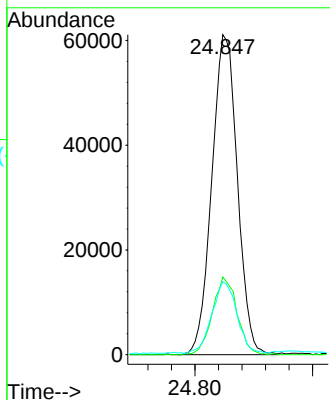
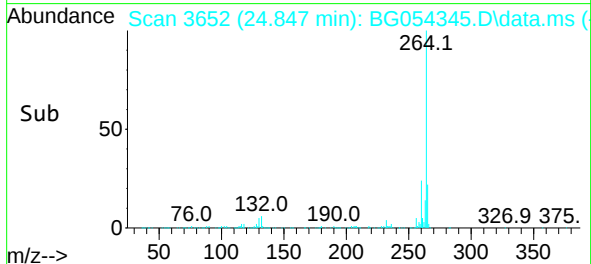
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1



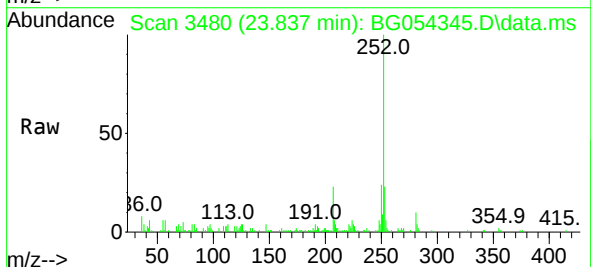
Tgt Ion:264 Resp: 184372
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.0 28.6
 265 22.8 17.4 26.2

Manual Integrations
 APPROVED

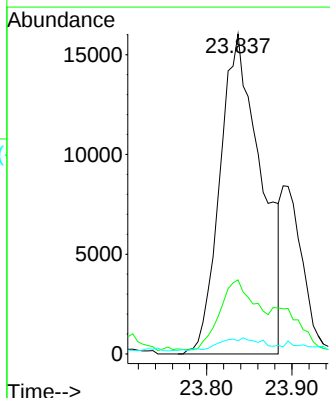
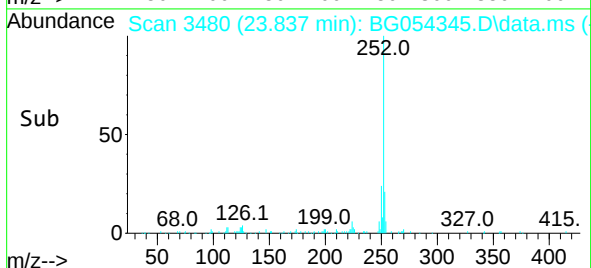
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

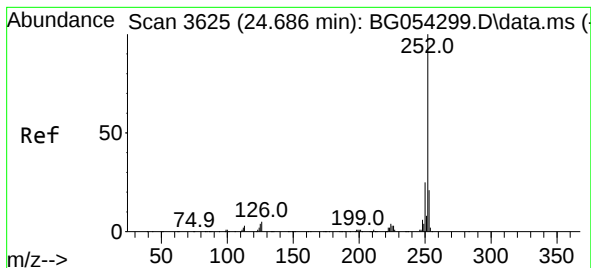


#88
 Benzo(b)fluoranthene
 Concen: 4.933 ng
 RT: 23.837 min Scan# 3480
 Delta R.T. 0.014 min
 Lab File: BG054345.D
 Acq: 21 Jul 2022 14:54



Tgt Ion:252 Resp: 53783
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.0 27.0
 125 4.2 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 3.792 ng

RT: 24.701 min Scan# 3627

Delta R.T. 0.014 min

Lab File: BG054345.D

Acq: 21 Jul 2022 14:54

Instrument :

BNA_G

ClientSampleId :

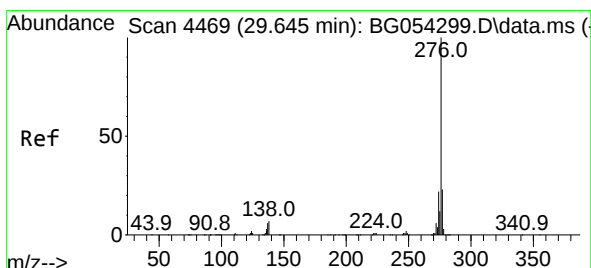
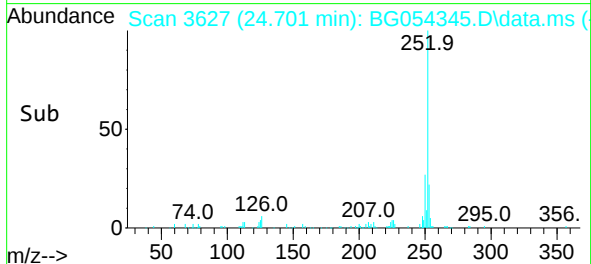
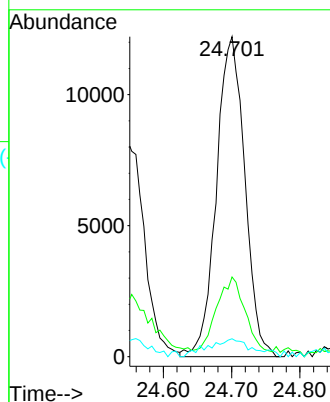
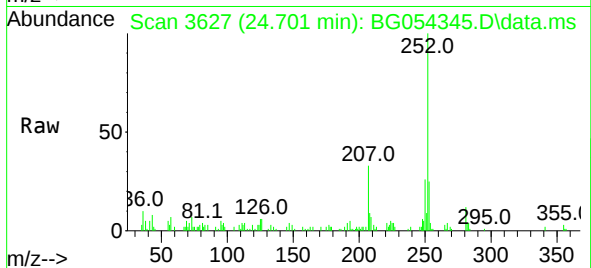
COMP-1

Tgt Ion:	252	Resp:	35300
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.8	26.8
125	5.6	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#92

Benzo(g,h,i)perylene

Concen: 2.049 ng m

RT: 29.659 min Scan# 4471

Delta R.T. 0.014 min

Lab File: BG054345.D

Acq: 21 Jul 2022 14:54

Tgt Ion:	276	Resp:	23326
Ion Ratio	Lower	Upper	
276	100		
277	27.9	17.3	25.9#
138	10.0	9.6	14.4

