

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092322\
 Data File : BG055021.D
 Acq On : 23 Sep 2022 20:54
 Operator : CG/JU
 Sample : N4751-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-4

Quant Time: Sep 24 02:29:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG091922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 17:41:40 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 09/26/2022
 Supervised By :Jagrut Upadhyay 09/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.059	152	44020	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	172946	20.000	ng	# 0.00
39) Acenaphthene-d10	14.698	164	117586	20.000	ng	0.00
64) Phenanthrene-d10	17.448	188	257637	20.000	ng	0.00
76) Chrysene-d12	21.725	240	256608	20.000	ng	0.00
86) Perylene-d12	25.027	264	274197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.597	112	264150	117.414	ng	0.00
7) Phenol-d6	7.219	99	346422	114.881	ng	0.00
23) Nitrobenzene-d5	9.234	82	199949	67.012	ng	0.00
42) 2,4,6-Tribromophenol	16.191	330	142987	103.801	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	551420	73.905	ng	0.00
79) Terphenyl-d14	20.051	244	895853	73.028	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.489	178	42516	3.240	ng	99
75) Fluoranthene	19.499	202	83706	5.037	ng	96
78) Pyrene	19.863	202	73258	4.343	ng	98
81) Benzo(a)anthracene	21.702	228	46896	2.842	ng	98
83) Chrysene	21.772	228	42545m	2.693	ng	
88) Benzo(b)fluoranthene	23.976	252	59083	3.653	ng	95
90) Benzo(a)pyrene	24.875	252	41838	3.004	ng	96

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

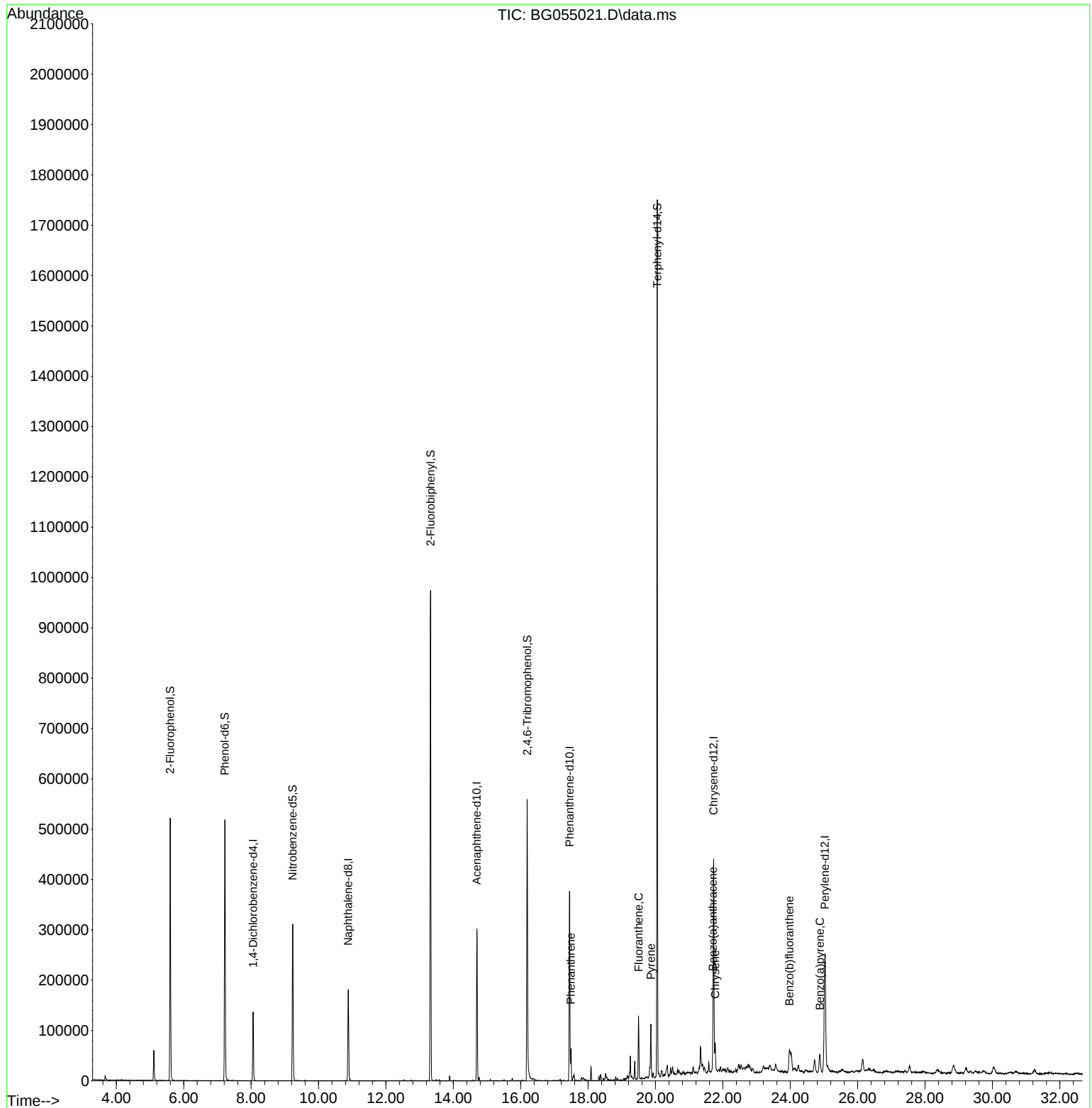
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092322\
Data File : BG055021.D
Acq On : 23 Sep 2022 20:54
Operator : CG/JU
Sample : N4751-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

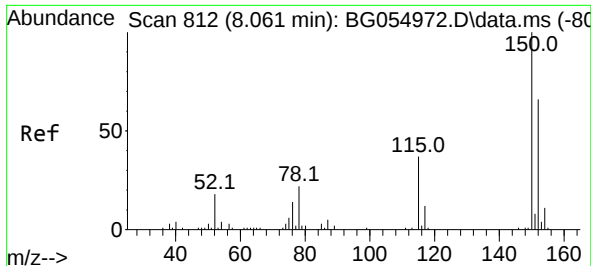
Instrument :
BNA_G
ClientSampleId :
PE-4

Quant Time: Sep 24 02:29:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG091922.M
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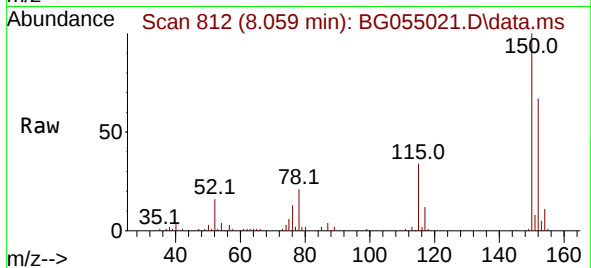
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.059 min Scan# 812
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

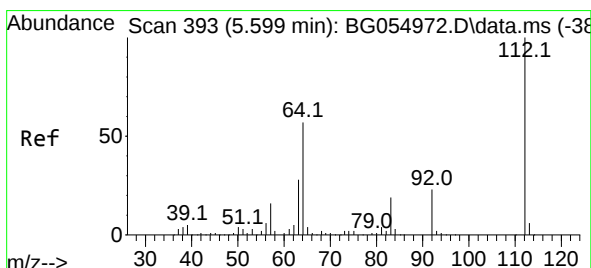
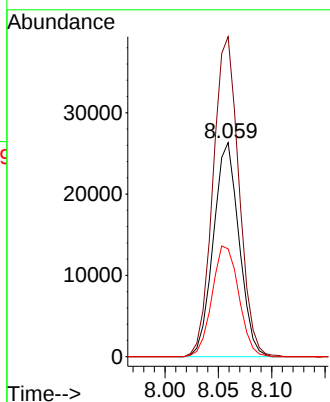
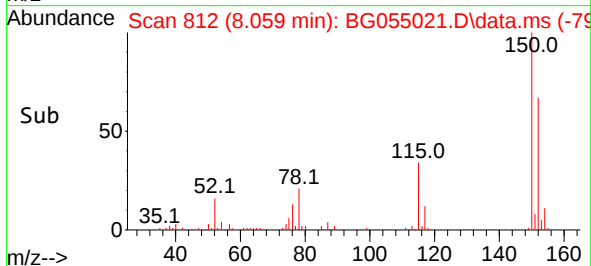
Instrument :
BNA_G
ClientSampleId :
PE-4



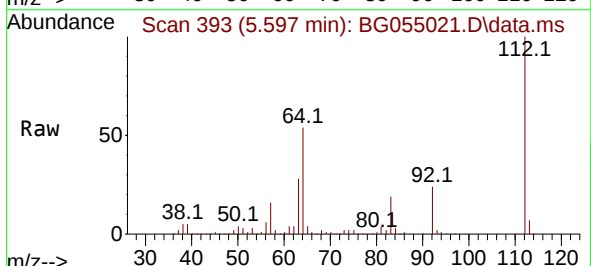
Tgt Ion:152 Resp: 44020
Ion Ratio Lower Upper
152 100
150 149.5 125.2 187.8
115 50.4 47.9 71.9

Manual Integrations
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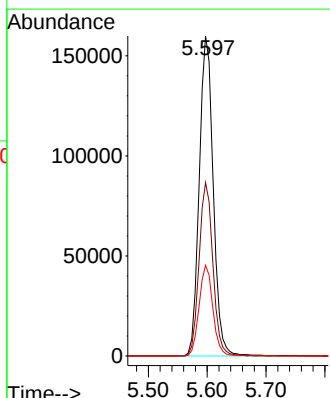
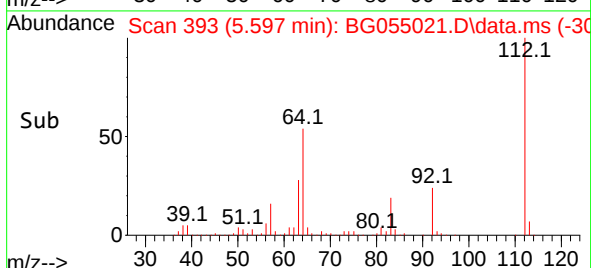
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022

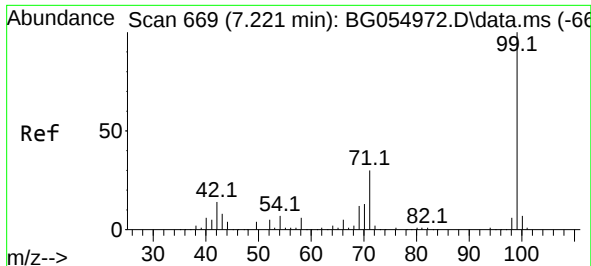


#5
2-Fluorophenol
Concen: 117.414 ng
RT: 5.597 min Scan# 393
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54



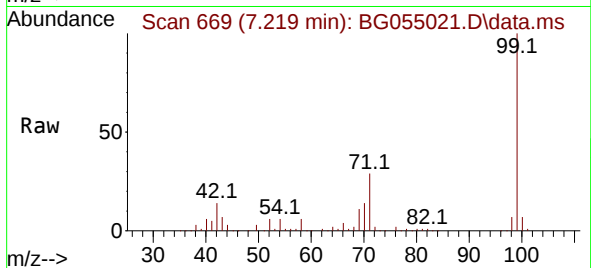
Tgt Ion:112 Resp: 264150
Ion Ratio Lower Upper
112 100
64 54.2 49.3 73.9
63 28.3 26.3 39.5





#7
Phenol-d6
Concen: 114.881 ng
RT: 7.219 min Scan# 60
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

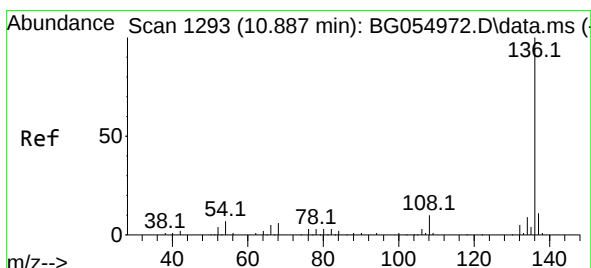
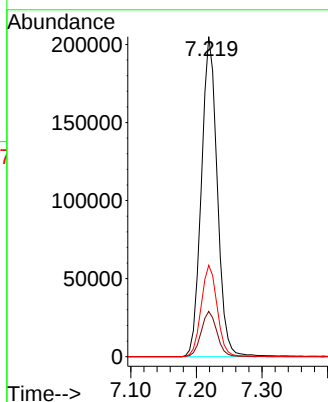
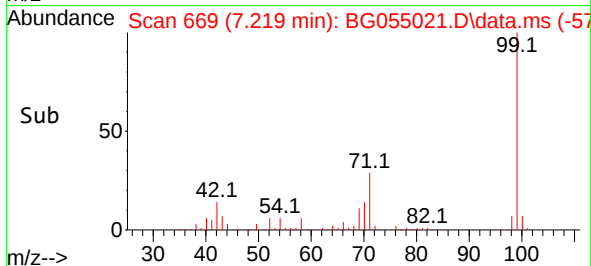
Instrument :
BNA_G
ClientSampleId :
PE-4



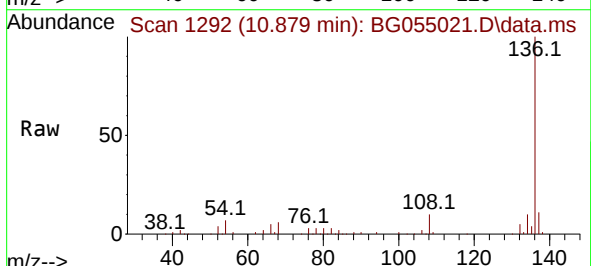
Tgt Ion: 99 Resp: 34642
Ion Ratio Lower Upper
99 100
42 14.2 14.6 22.0
71 28.6 24.6 37.0

Manual Integrations
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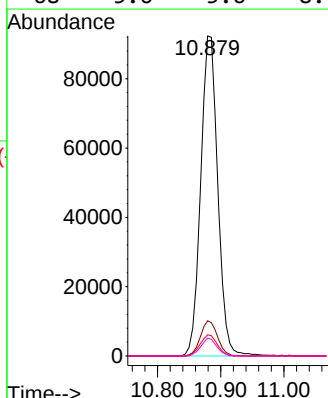
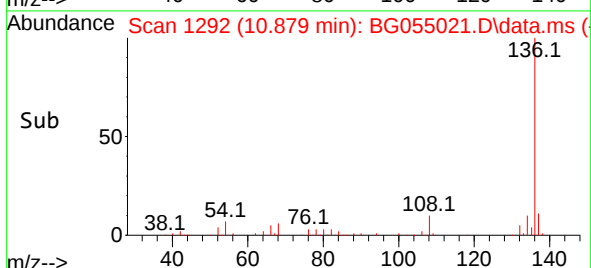
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022

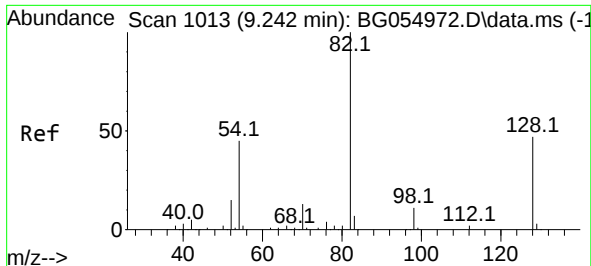


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 1292
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54



Tgt Ion:136 Resp: 172946
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 6.6 7.7 11.5
68 5.6 5.6 8.4





#23
Nitrobenzene-d5
Concen: 67.012 ng
RT: 9.234 min Scan# 1012
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Instrument :

BNA_G

ClientSampleId :

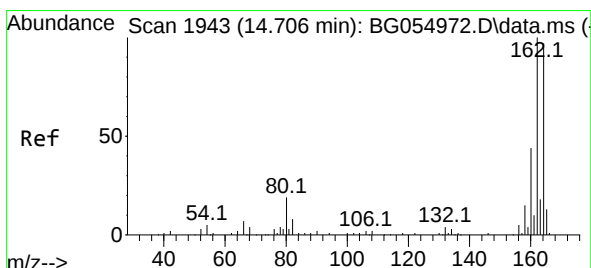
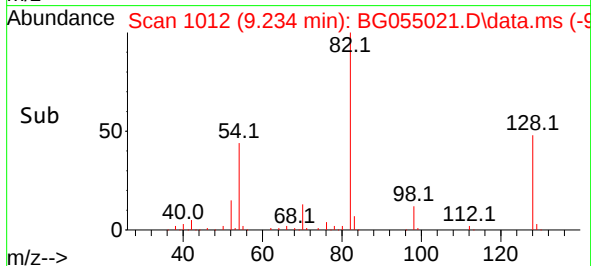
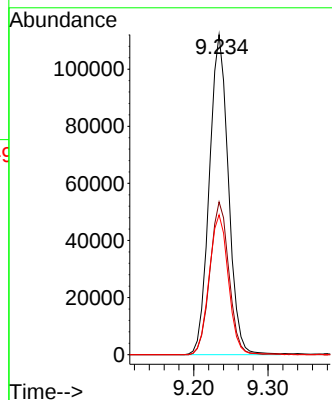
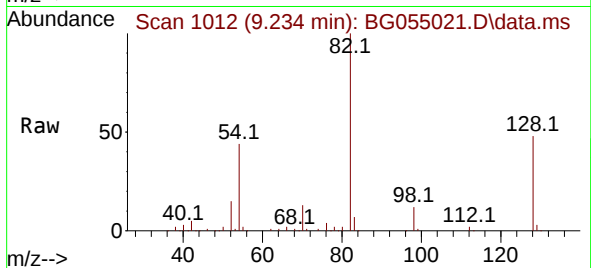
PE-4

Tgt Ion: 82 Resp: 199949
Ion Ratio Lower Upper
82 100
128 47.8 32.2 48.2
54 43.7 41.4 62.0

Manual Integrations

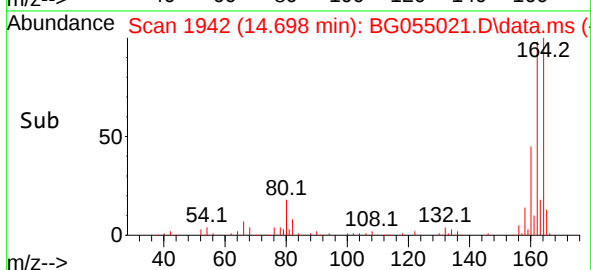
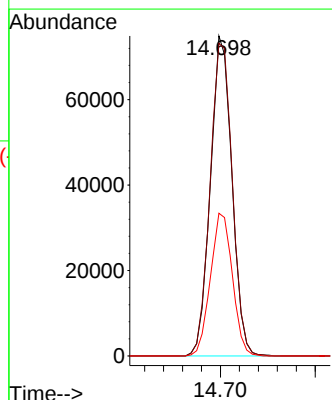
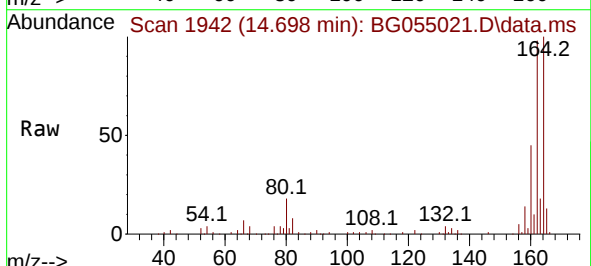
APPROVED

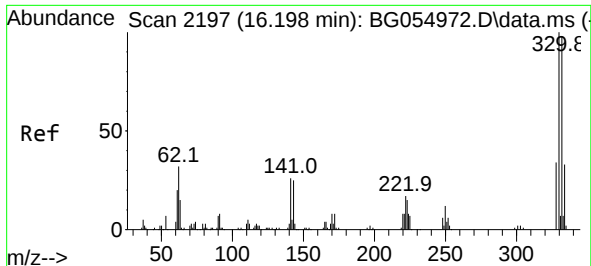
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.698 min Scan# 1942
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

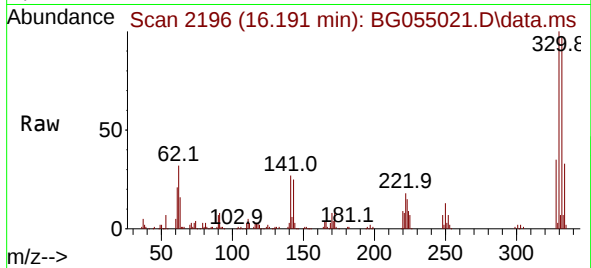
Tgt Ion:164 Resp: 117586
Ion Ratio Lower Upper
164 100
162 97.7 83.0 124.4
160 44.6 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 103.801 ng
RT: 16.191 min Scan# 2197
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

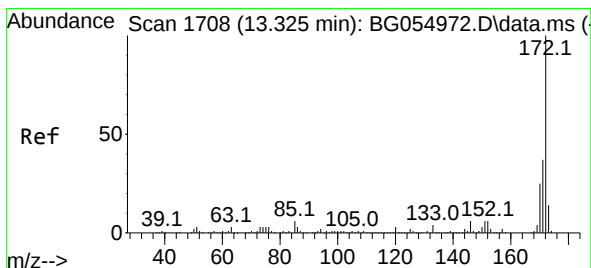
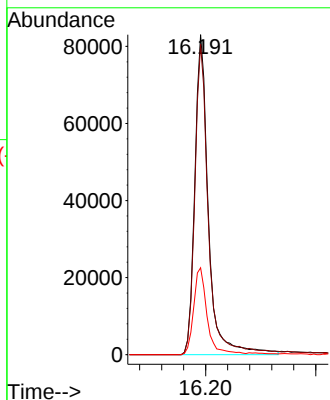
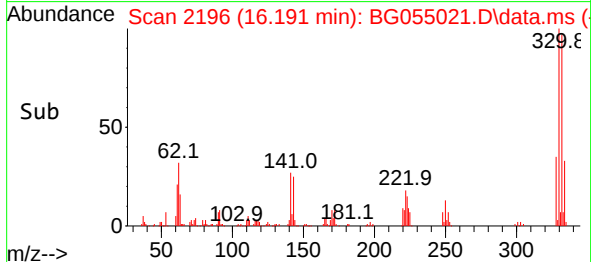
Instrument :
BNA_G
ClientSampleId :
PE-4



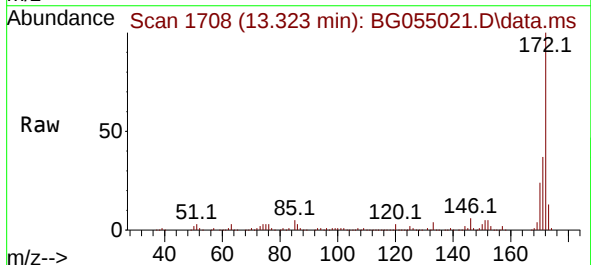
Tgt Ion:330 Resp: 14298
Ion Ratio Lower Upper
330 100
332 96.7 79.8 119.6
141 26.8 26.8 40.2

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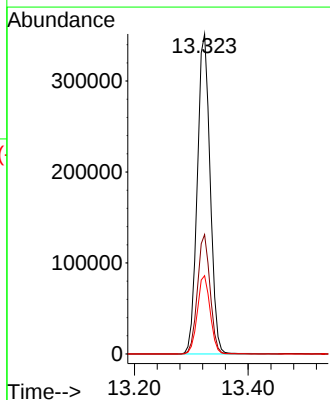
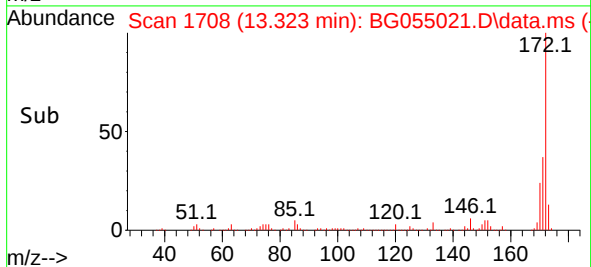
Reviewed By :Christian Giraldo 09/26/2022
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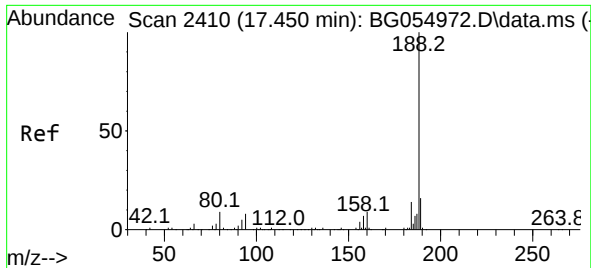


#45
2-Fluorobiphenyl
Concen: 73.905 ng
RT: 13.323 min Scan# 1708
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54



Tgt Ion:172 Resp: 551420
Ion Ratio Lower Upper
172 100
171 37.3 31.2 46.8
170 24.4 20.6 30.8





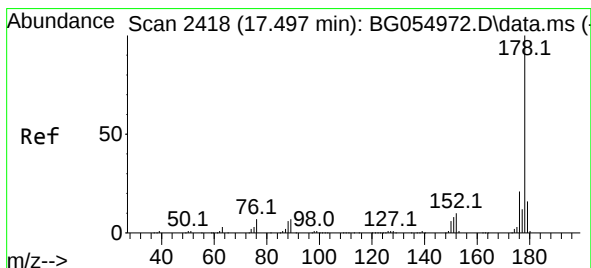
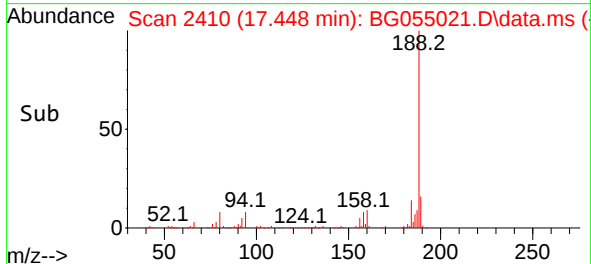
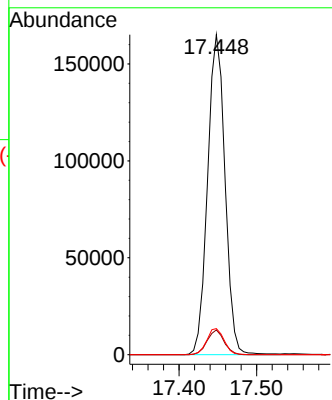
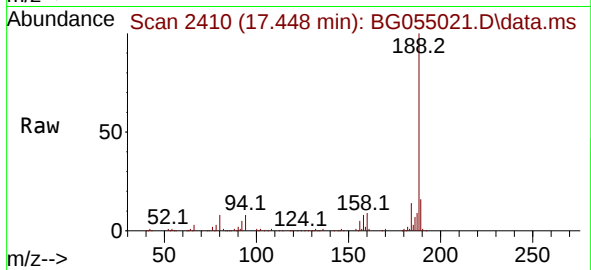
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.448 min Scan# 2410
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Instrument :
BNA_G
ClientSampleId :
PE-4

Tgt Ion:188 Resp: 25763
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.4
80 8.1 7.9 11.9

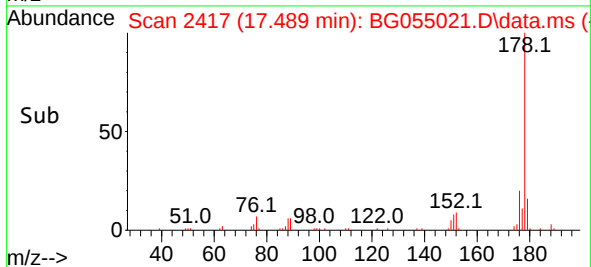
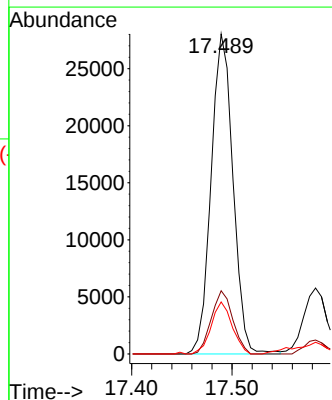
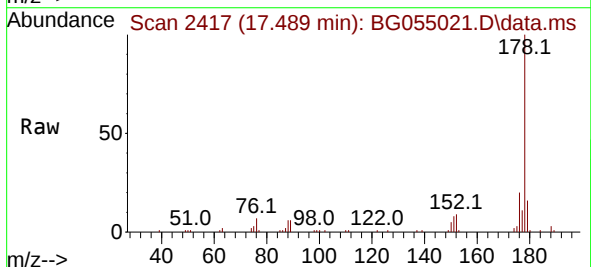
Manual Integrations
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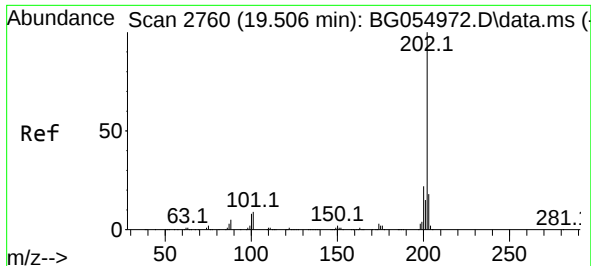
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#71
Phenanthrene
Concen: 3.240 ng
RT: 17.489 min Scan# 2417
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

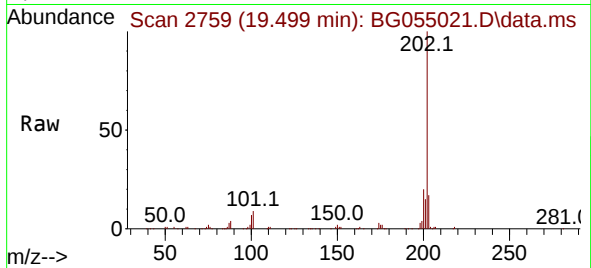
Tgt Ion:178 Resp: 42516
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 16.2 12.8 19.2





#75
Fluoranthene
Concen: 5.037 ng
RT: 19.499 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

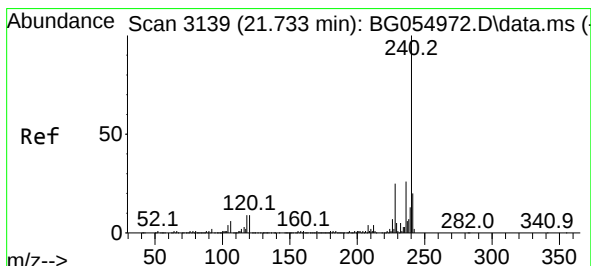
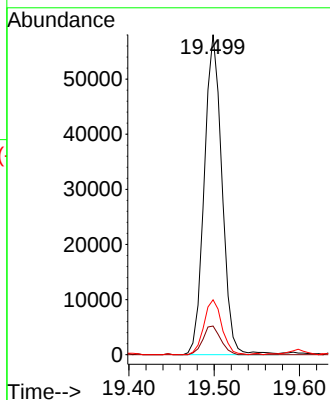
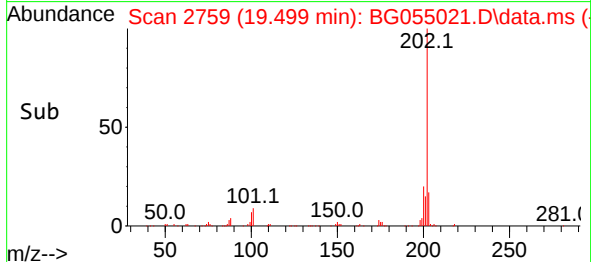
Instrument :
BNA_G
ClientSampleId :
PE-4



Tgt Ion:202 Resp: 83700
Ion Ratio Lower Upper
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101 8.9 0.0 31.4
203 17.1 0.0 38.6

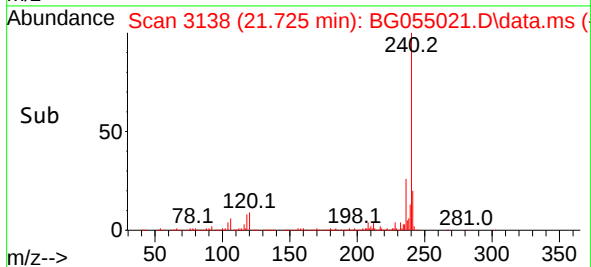
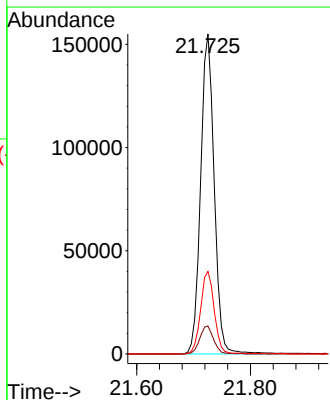
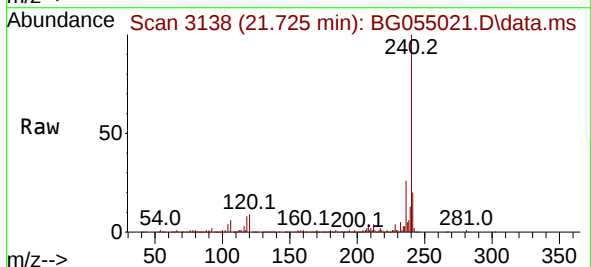
Manual Integrations
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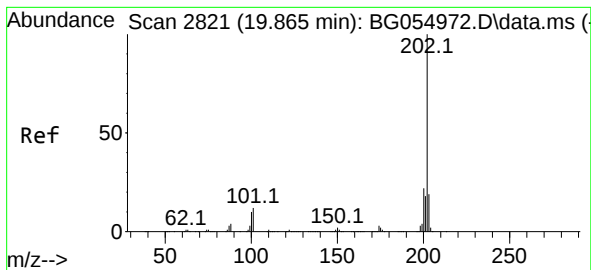
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.725 min Scan# 3138
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:240 Resp: 256608
Ion Ratio Lower Upper
240 100
120 8.7 8.2 12.4
236 25.8 21.2 31.8





#78

Pyrene

Concen: 4.343 ng

RT: 19.863 min Scan# 2821

Delta R.T. -0.002 min

Lab File: BG055021.D

Acq: 23 Sep 2022 20:54

Instrument :

BNA_G

ClientSampleId :

PE-4

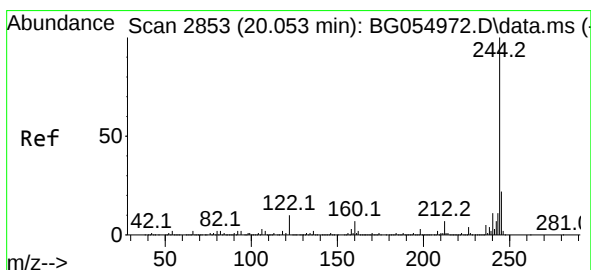
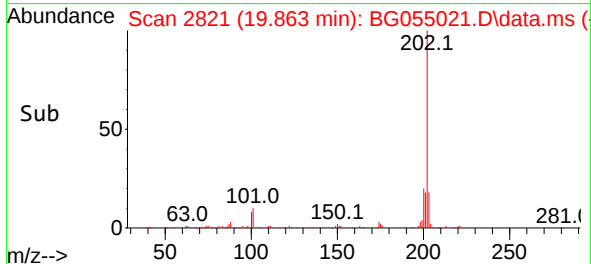
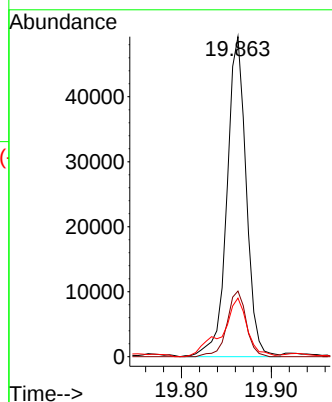
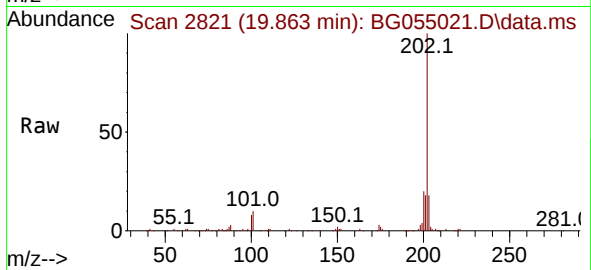
Tgt Ion:202 Resp: 73258
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.8 26.6
 203 18.3 14.6 21.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/26/2022



#79

Terphenyl-d14

Concen: 73.028 ng

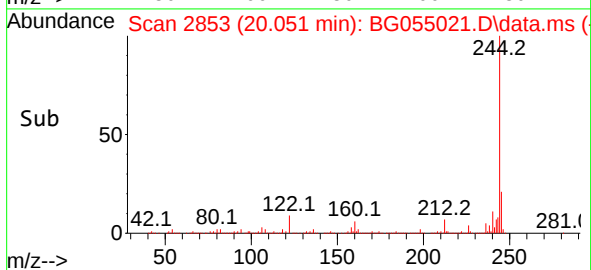
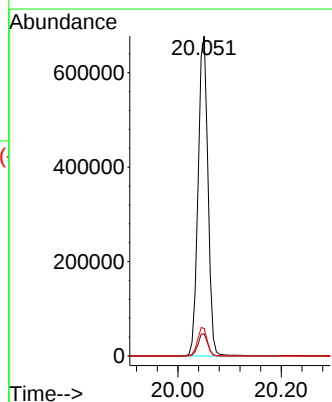
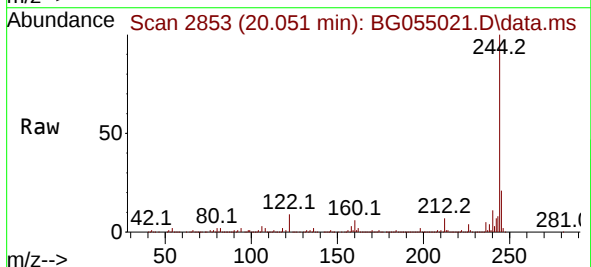
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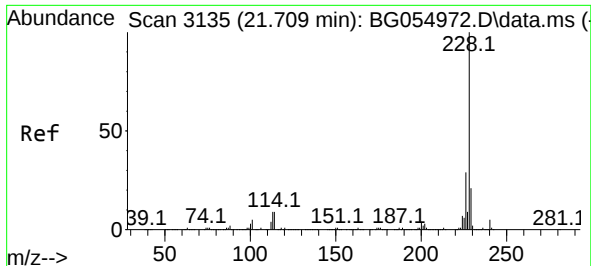
Delta R.T. -0.002 min

Lab File: BG055021.D

Acq: 23 Sep 2022 20:54

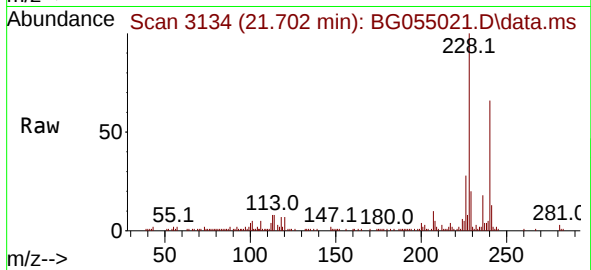
Tgt Ion:244 Resp: 895853
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.2
 122 8.6 9.0 13.6#





#81
Benzo(a)anthracene
Concen: 2.842 ng
RT: 21.702 min Scan# 3135
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

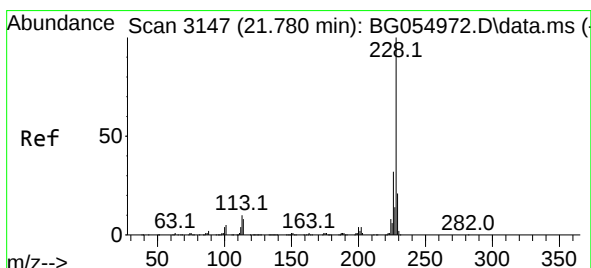
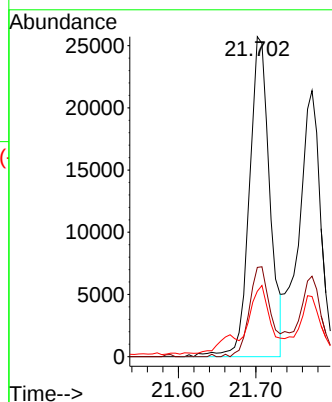
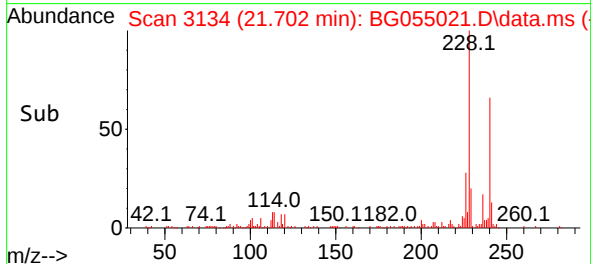
Instrument :
BNA_G
ClientSampleId :
PE-4



Tgt Ion:228 Resp: 46890
Ion Ratio Lower Upper
228 100
226 27.9 23.4 35.2
229 20.5 16.5 24.7

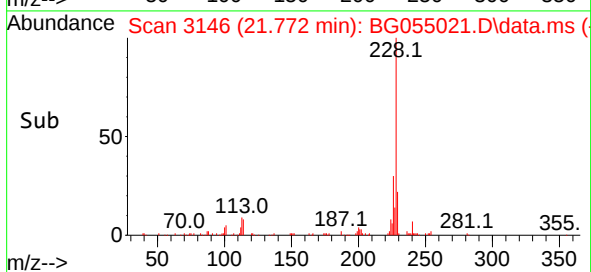
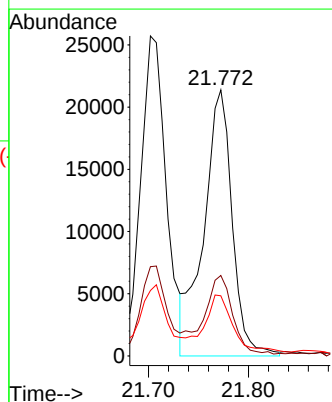
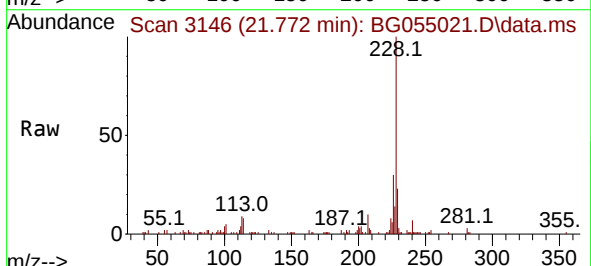
Manual Integrations
APPROVED

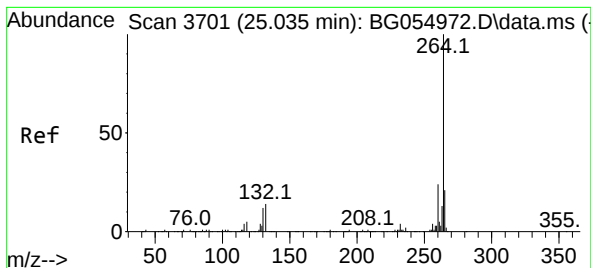
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#83
Chrysene
Concen: 2.693 ng m
RT: 21.772 min Scan# 3146
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:228 Resp: 42545
Ion Ratio Lower Upper
228 100
226 30.3 25.5 38.3
229 22.6 16.8 25.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.027 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG055021.D

Acq: 23 Sep 2022 20:54

Instrument :

BNA_G

ClientSampleId :

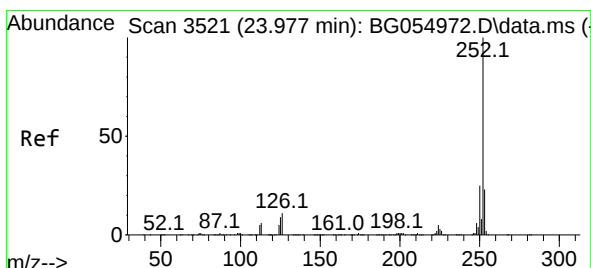
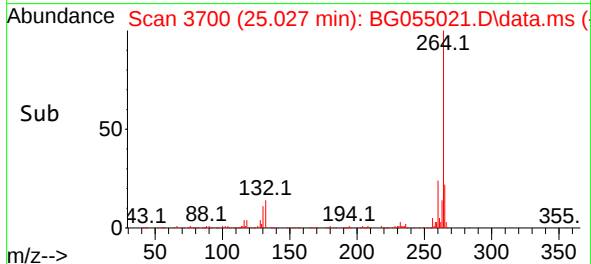
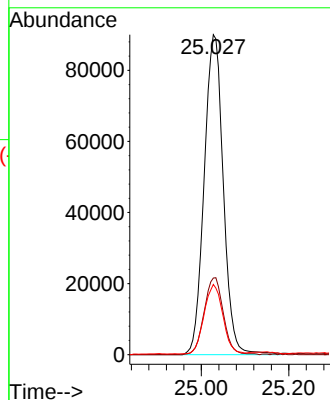
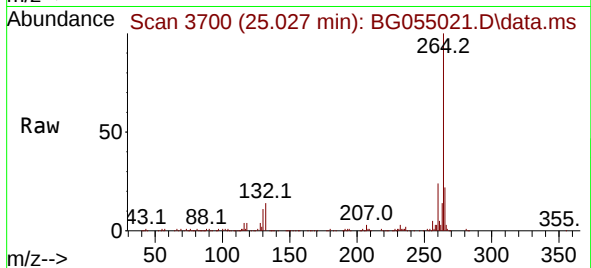
PE-4

Tgt Ion:264 Resp: 27419
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.9 29.9
 265 22.0 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/26/2022
 Supervised By :Jagrut Upadhyay 09/26/2022



#88

Benzo(b)fluoranthene

Concen: 3.653 ng

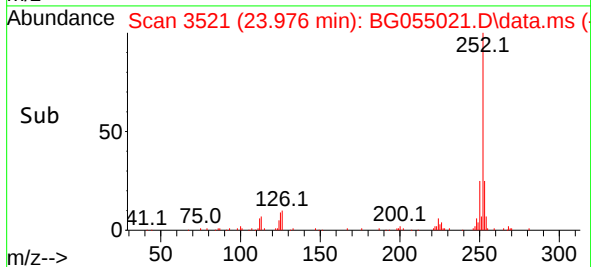
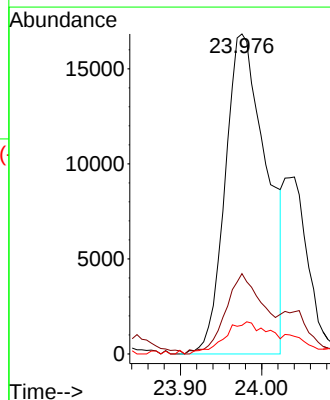
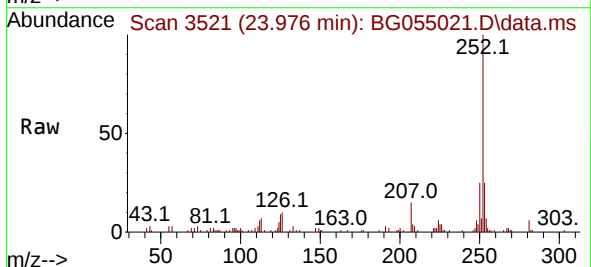
RT: 23.976 min Scan# 3521

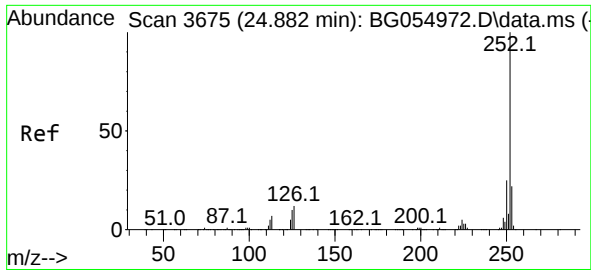
Delta R.T. -0.002 min

Lab File: BG055021.D

Acq: 23 Sep 2022 20:54

Tgt Ion:252 Resp: 59083
 Ion Ratio Lower Upper
 252 100
 253 25.1 18.0 27.0
 125 8.9 8.1 12.1





#90

Benzo(a)pyrene

Concen: 3.004 ng

RT: 24.875 min Scan# 30

Delta R.T. -0.008 min

Lab File: BG055021.D

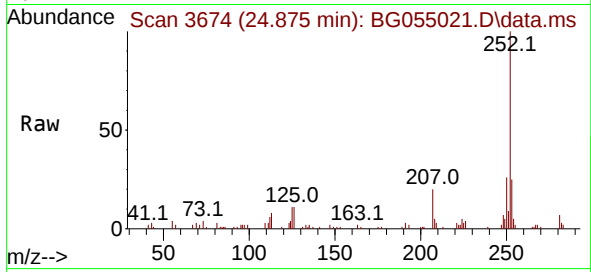
Acq: 23 Sep 2022 20:54

Instrument :

BNA_G

ClientSampleId :

PE-4



Tgt Ion:252 Resp: 41838

Ion Ratio Lower Upper

252 100

253 25.4 18.3 27.5

125 10.5 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/26/2022

Supervised By :Jagrut Upadhyay 09/26/2022

