

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092322\
 Data File : BG055020.D
 Acq On : 23 Sep 2022 20:13
 Operator : CG/JU
 Sample : N4751-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-3

Manual Integrations
 APPROVED

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

Quant Time: Sep 24 02:29:12 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	42682	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	168622	20.000	ng	# 0.00
39) Acenaphthene-d10	14.703	164	117237	20.000	ng	0.00
64) Phenanthrene-d10	17.447	188	261404	20.000	ng	# 0.00
76) Chrysene-d12	21.724	240	260279	20.000	ng	0.00
86) Perylene-d12	25.032	264	277822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.596	112	247872	113.633	ng	0.00
7) Phenol-d6	7.218	99	327310	111.946	ng	0.00
23) Nitrobenzene-d5	9.233	82	190892	65.617	ng	0.00
42) 2,4,6-Tribromophenol	16.189	330	138517	100.855	ng	0.00
45) 2-Fluorobiphenyl	13.322	172	509864	68.539	ng	0.00
79) Terphenyl-d14	20.050	244	849078	68.239	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.488	178	72160	5.420	ng	97
75) Fluoranthene	19.497	202	146667	8.698	ng	97
78) Pyrene	19.862	202	124671	7.286	ng	97
81) Benzo(a)anthracene	21.707	228	83845	5.009	ng	98
83) Chrysene	21.771	228	78404m	4.893	ng	
87) Indeno(1,2,3-cd)pyrene	28.839	276	57468	2.782	ng	# 94
88) Benzo(b)fluoranthene	23.974	252	113368	6.918	ng	97
89) Benzo(k)fluoranthene	24.039	252	39710m	2.400	ng	
90) Benzo(a)pyrene	24.873	252	77233	5.474	ng	# 96
92) Benzo(g,h,i)perylene	30.038	276	56922	3.321	ng	96

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

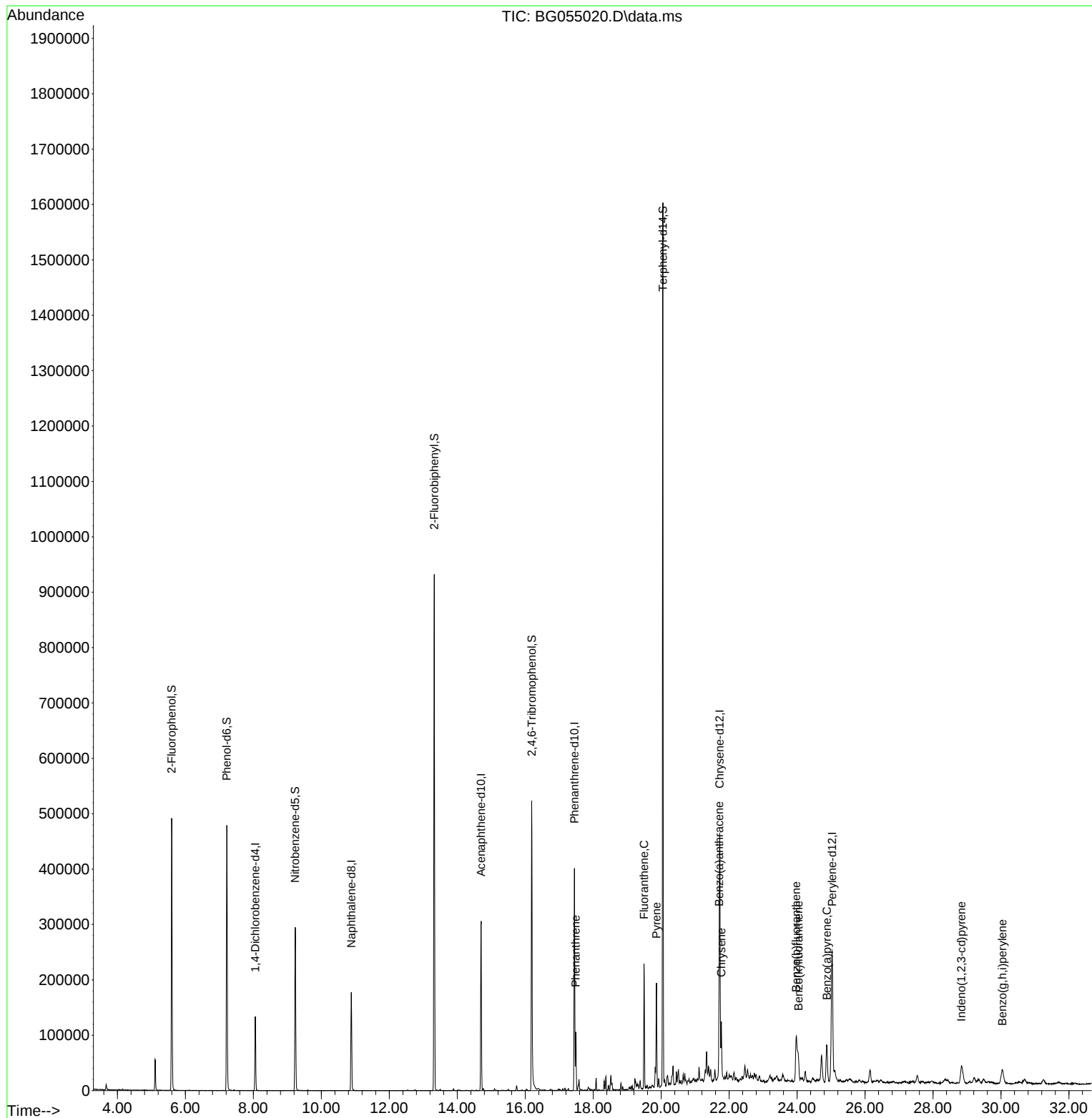
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092322\
Data File : BG055020.D
Acq On : 23 Sep 2022 20:13
Operator : CG/JU
Sample : N4751-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

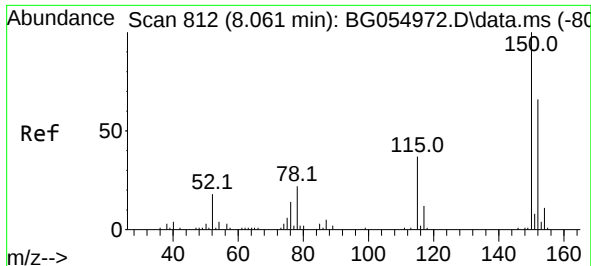
Instrument :
BNA_G
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Quant Time: Sep 24 02:29:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG091922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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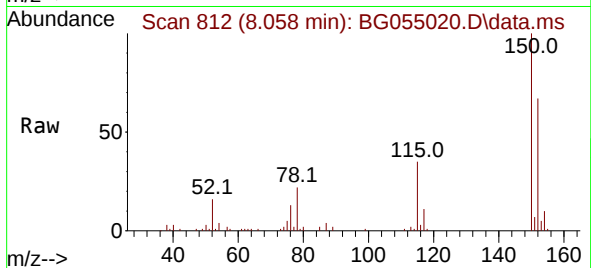
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 812
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

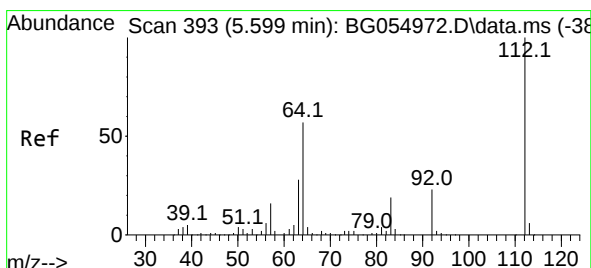
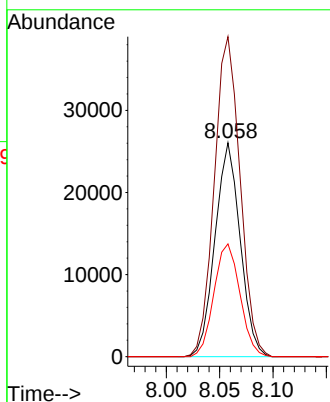
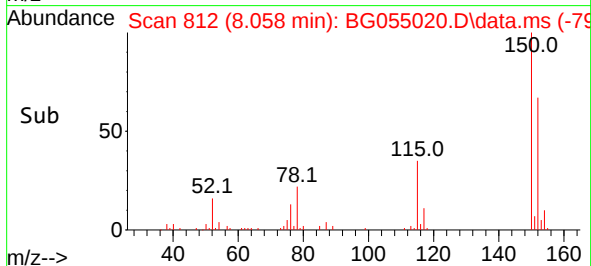
Instrument :
BNA_G
ClientSampleId :
PE-3



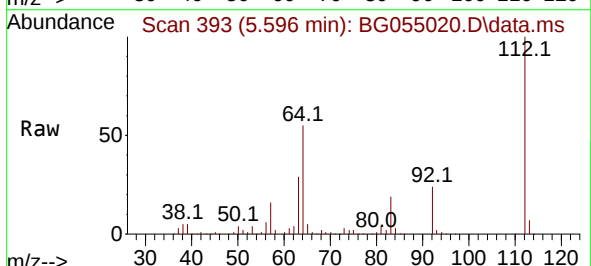
Tgt Ion:152 Resp: 42682
Ion Ratio Lower Upper
152 100
150 149.5 125.2 187.8
115 52.7 47.9 71.9

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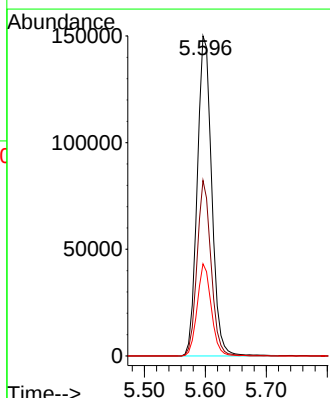
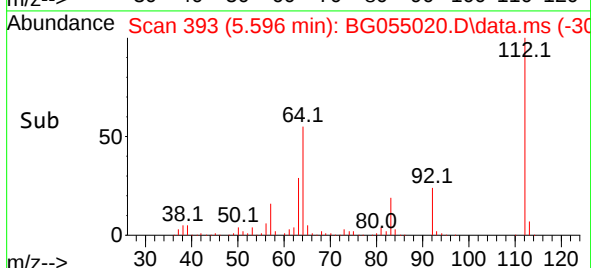
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022

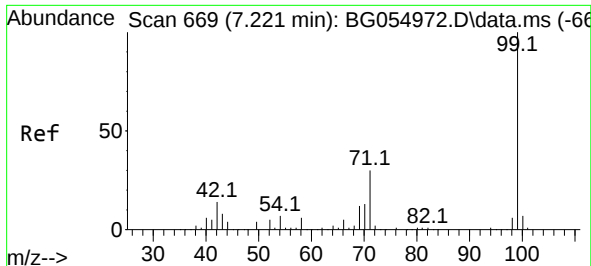


#5
2-Fluorophenol
Concen: 113.633 ng
RT: 5.596 min Scan# 393
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13



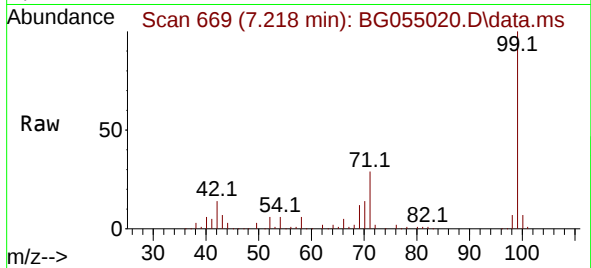
Tgt Ion:112 Resp: 247872
Ion Ratio Lower Upper
112 100
64 54.8 49.3 73.9
63 28.8 26.3 39.5





#7
Phenol-d6
Concen: 111.946 ng
RT: 7.218 min Scan# 669
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

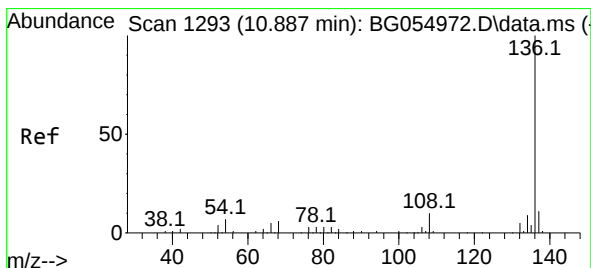
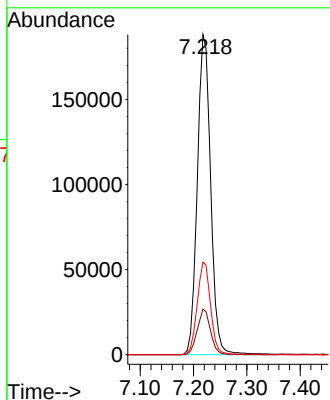
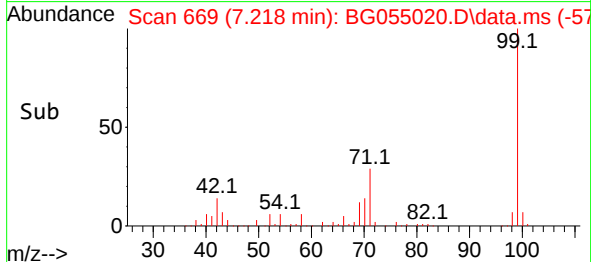
Instrument :
BNA_G
ClientSampleId :
PE-3



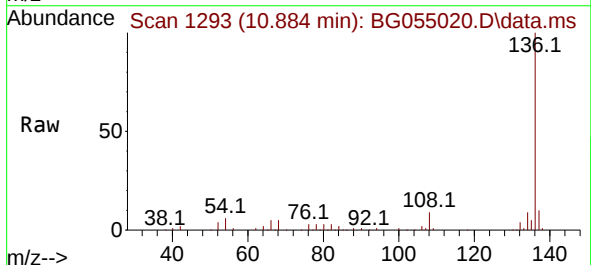
Tgt Ion: 99 Resp: 327310
Ion Ratio Lower Upper
99 100
42 14.2 14.6 22.0#
71 29.0 24.6 37.0#

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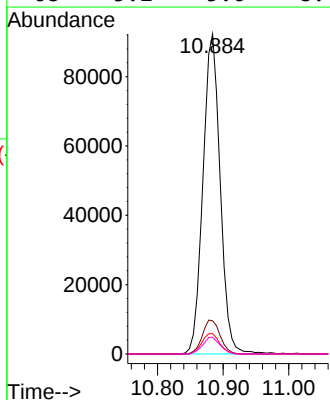
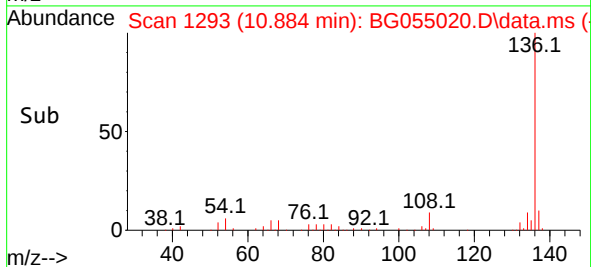
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022

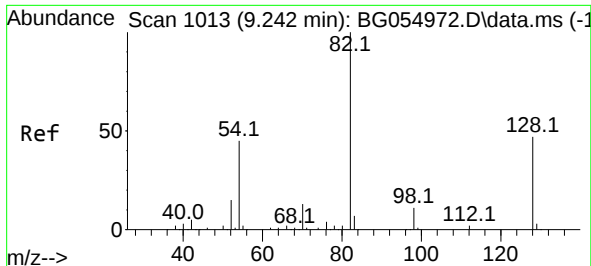


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 1293
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13



Tgt Ion:136 Resp: 168622
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 6.4 7.7 11.5#
68 5.2 5.6 8.4#





#23

Nitrobenzene-d5

Concen: 65.617 ng

RT: 9.233 min Scan# 1013

Delta R.T. -0.009 min

Lab File: BG055020.D

Acq: 23 Sep 2022 20:13

Instrument :

BNA_G

ClientSampleId :

PE-3

Tgt Ion: 82 Resp: 19089

Ion Ratio Lower Upper

82 100

128 46.4 32.2 48.2

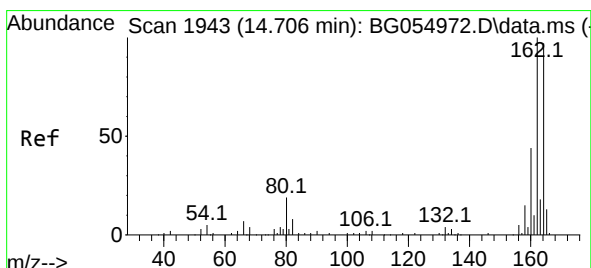
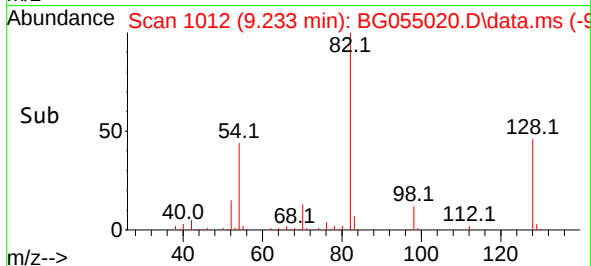
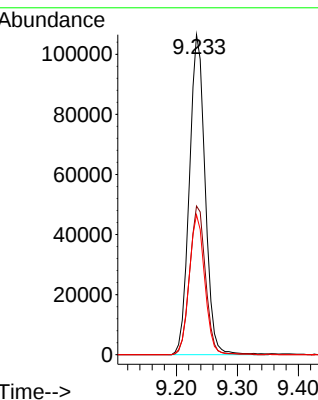
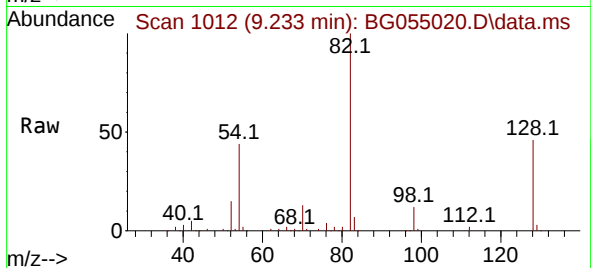
54 43.7 41.4 62.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.703 min Scan# 1943

Delta R.T. -0.003 min

Lab File: BG055020.D

Acq: 23 Sep 2022 20:13

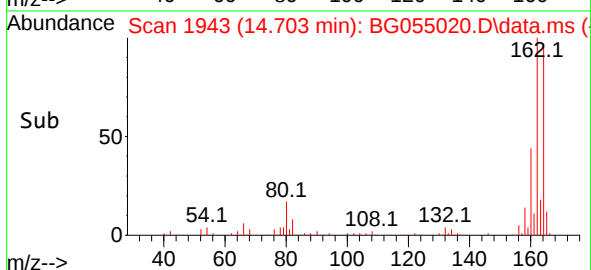
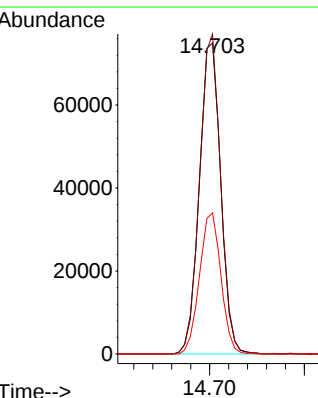
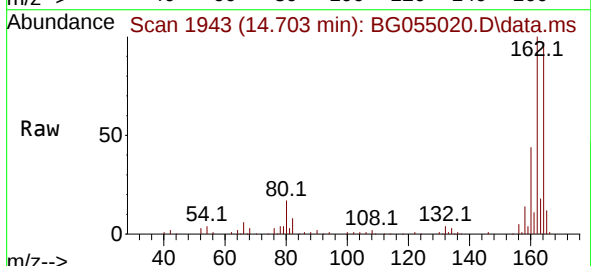
Tgt Ion:164 Resp: 117237

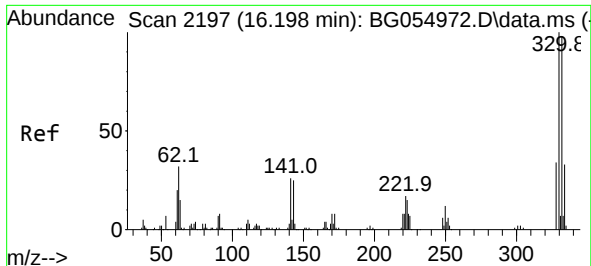
Ion Ratio Lower Upper

164 100

162 103.0 83.0 124.4

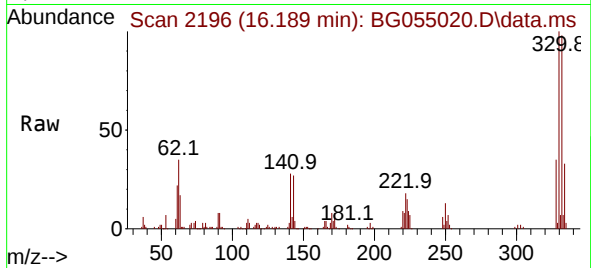
160 45.4 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 100.855 ng
RT: 16.189 min Scan# 2197
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

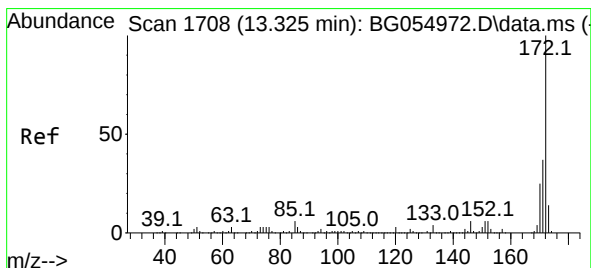
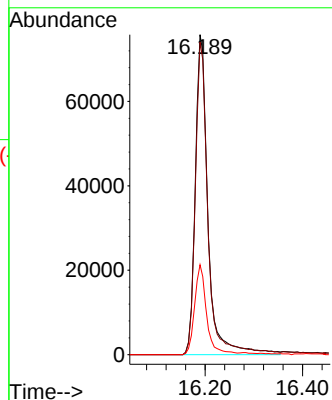
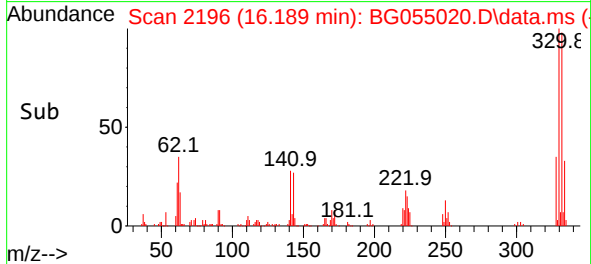
Instrument :
BNA_G
ClientSampleId :
PE-3



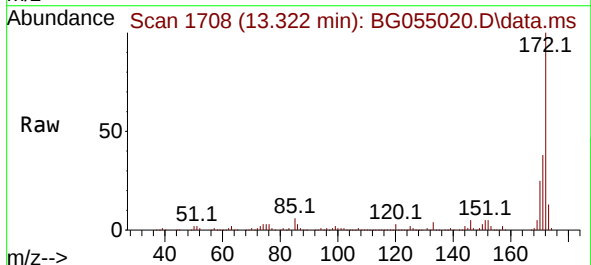
Tgt Ion:330 Resp: 138517
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 26.3 26.8 40.2

Manual Integrations
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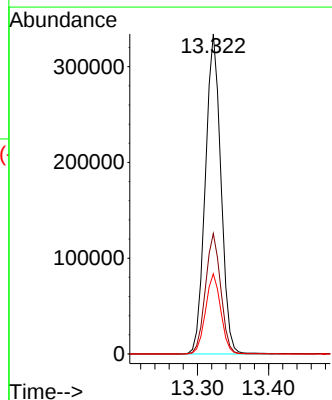
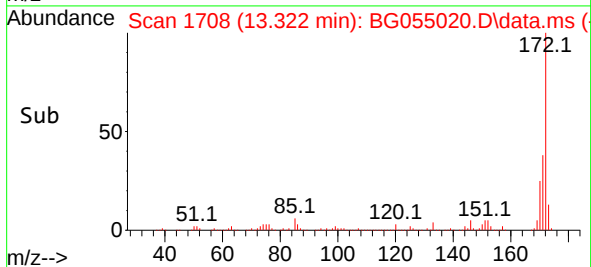
Reviewed By :Christian Giraldo 09/26/2022
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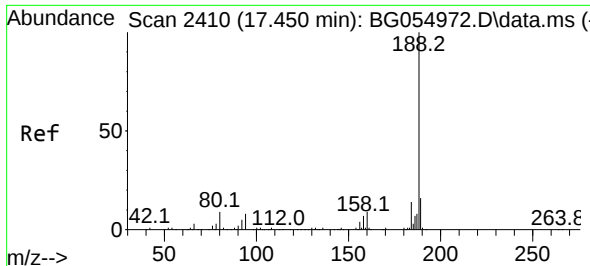


#45
2-Fluorobiphenyl
Concen: 68.539 ng
RT: 13.322 min Scan# 1708
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13



Tgt Ion:172 Resp: 509864
Ion Ratio Lower Upper
172 100
171 37.6 31.2 46.8
170 25.0 20.6 30.8





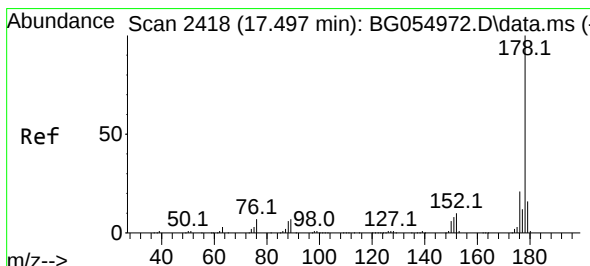
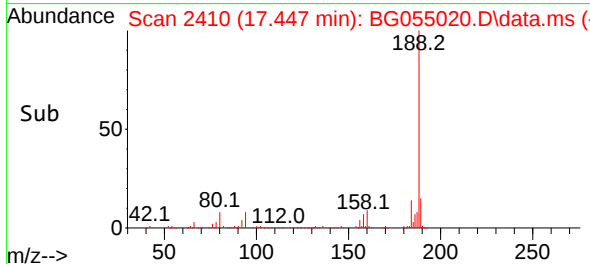
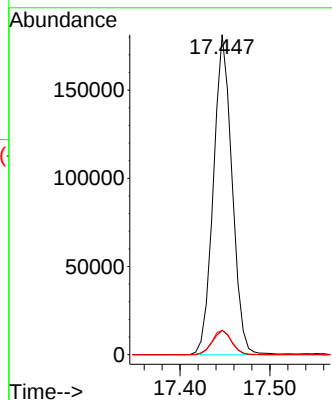
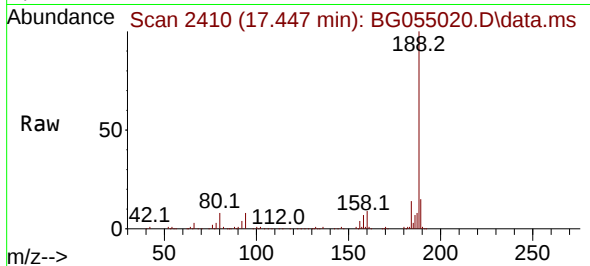
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.447 min Scan# 2410
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Instrument :
BNA_G
ClientSampleId :
PE-3

Tgt Ion:188 Resp: 261404
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.4
80 7.6 7.9 11.9

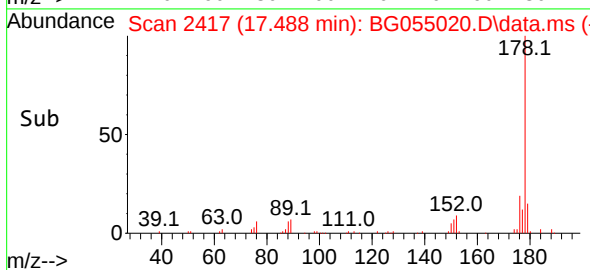
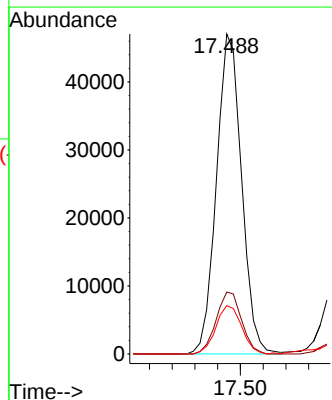
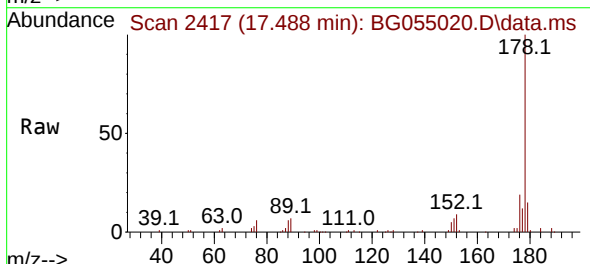
Manual Integrations
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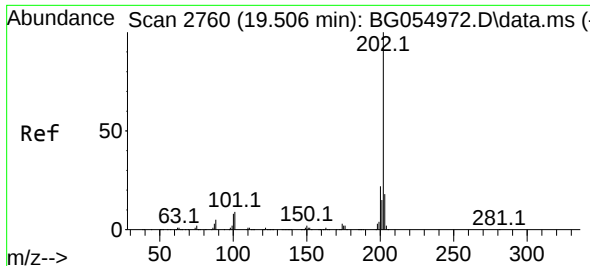
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#71
Phenanthrene
Concen: 5.420 ng
RT: 17.488 min Scan# 2417
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

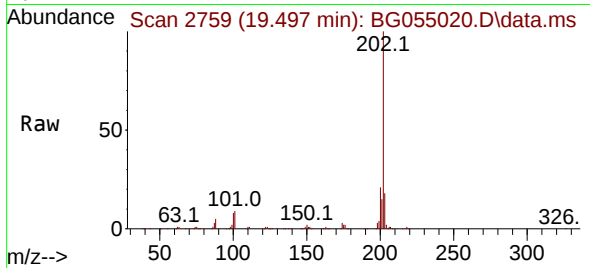
Tgt Ion:178 Resp: 72160
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.1 12.8 19.2





#75
Fluoranthene
Concen: 8.698 ng
RT: 19.497 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

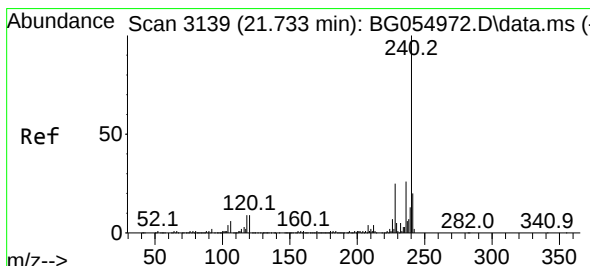
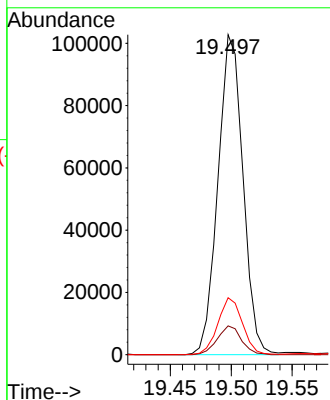
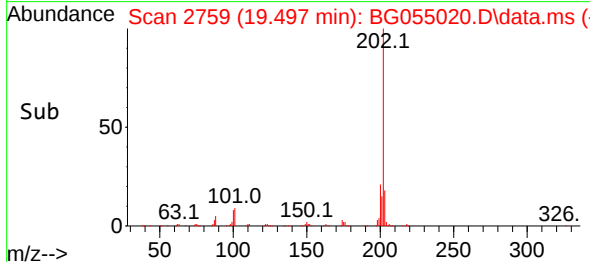
Instrument :
BNA_G
ClientSampleId :
PE-3



Tgt Ion:202 Resp: 14666
Ion Ratio Lower Upper
202 100
101 9.0 0.0 31.4
203 17.8 0.0 38.6

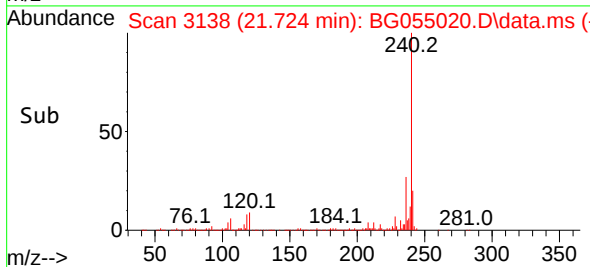
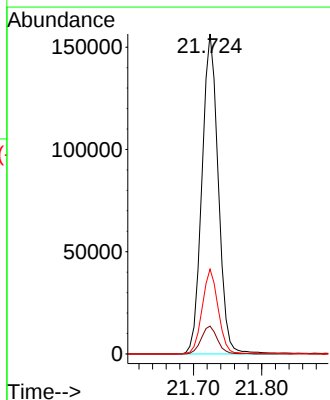
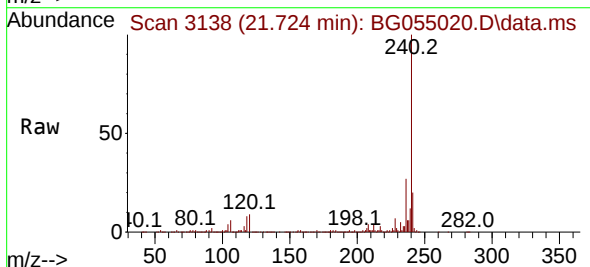
Manual Integrations
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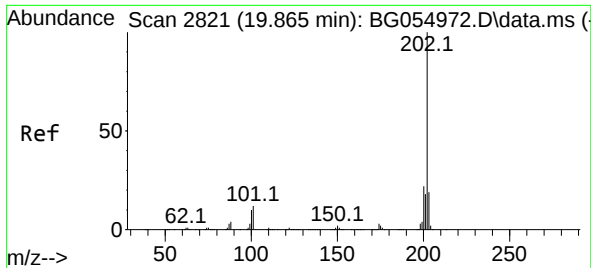
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.724 min Scan# 3138
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

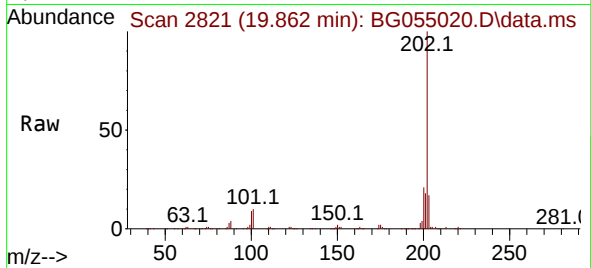
Tgt Ion:240 Resp: 260279
Ion Ratio Lower Upper
240 100
120 8.7 8.2 12.4
236 26.5 21.2 31.8





#78
 Pyrene
 Concen: 7.286 ng
 RT: 19.862 min Scan# 2821
 Delta R.T. -0.003 min
 Lab File: BG055020.D
 Acq: 23 Sep 2022 20:13

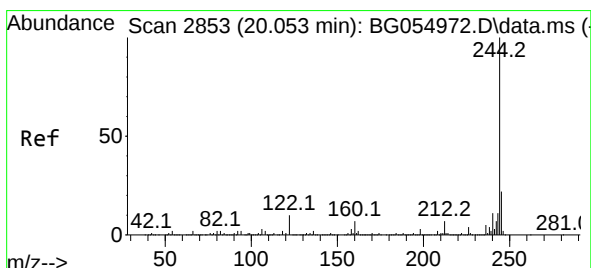
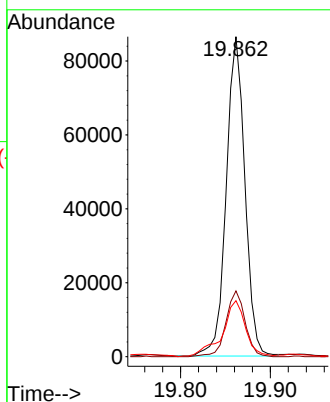
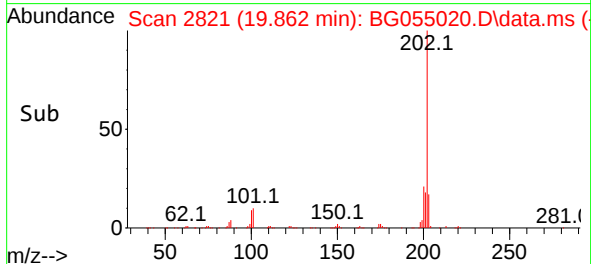
Instrument :
 BNA_G
 ClientSampleId :
 PE-3



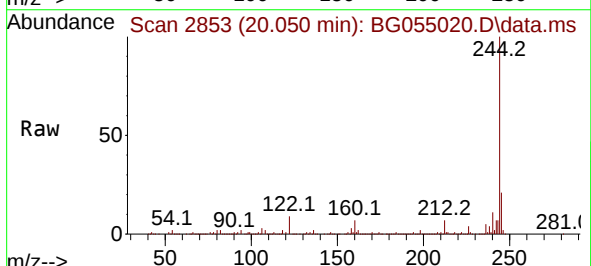
Tgt Ion:202 Resp: 12467
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.8 26.6
 203 17.5 14.6 21.8

Manual Integrations
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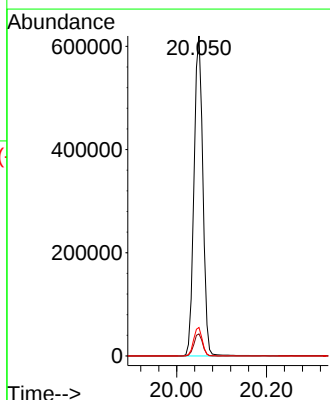
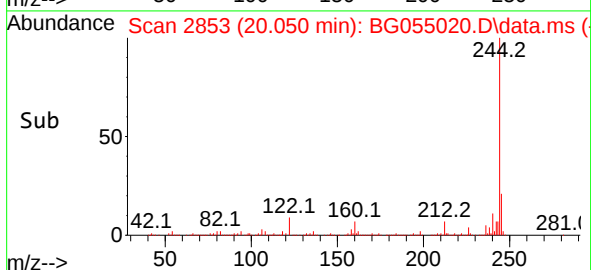
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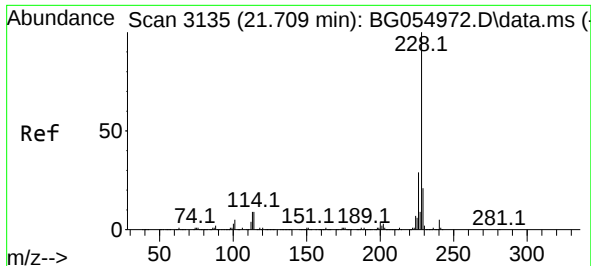


#79
 Terphenyl-d14
 Concen: 68.239 ng
 RT: 20.050 min Scan# 2853
 Delta R.T. -0.003 min
 Lab File: BG055020.D
 Acq: 23 Sep 2022 20:13



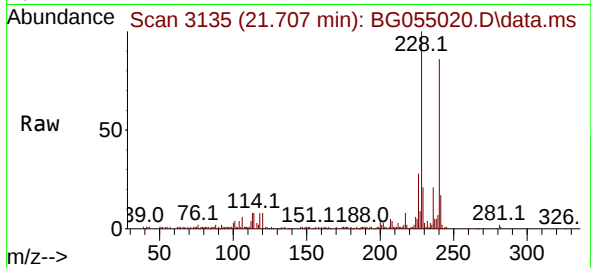
Tgt Ion:244 Resp: 849078
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 8.9 9.0 13.6#





#81
Benzo(a)anthracene
Concen: 5.009 ng
RT: 21.707 min Scan# 3135
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

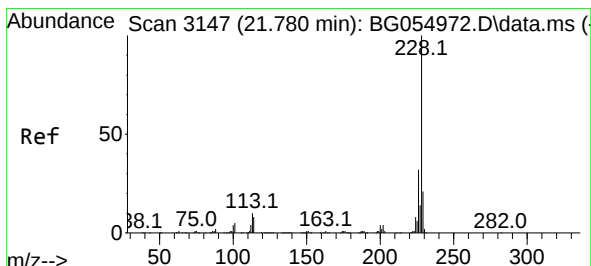
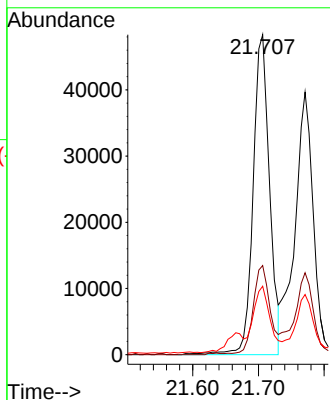
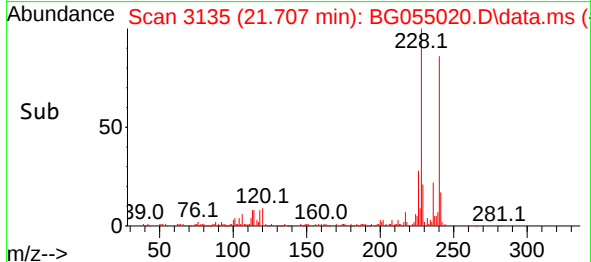
Instrument :
BNA_G
ClientSampleId :
PE-3



Tgt Ion:228 Resp: 8384
Ion Ratio Lower Upper
228 100
226 27.8 23.4 35.2
229 21.4 16.5 24.7

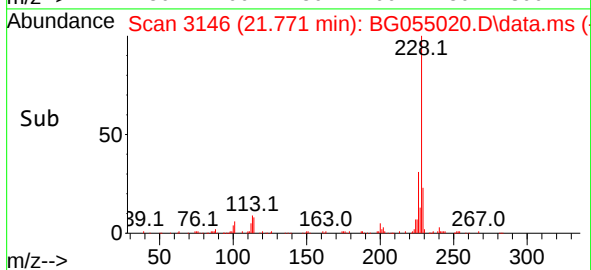
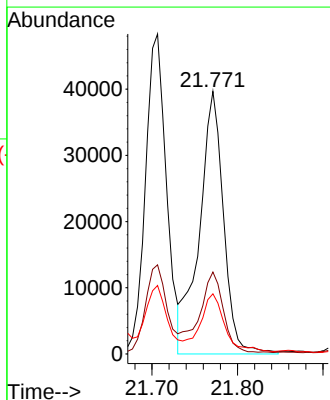
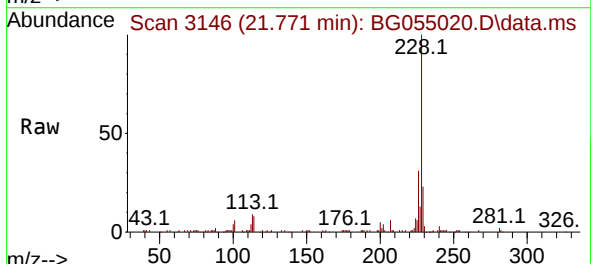
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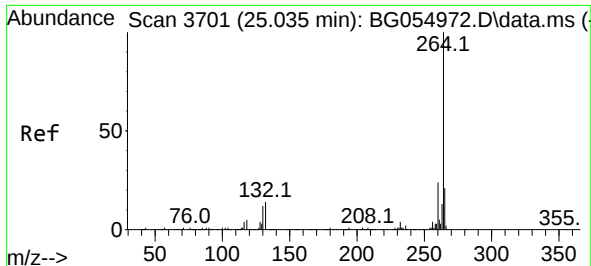
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#83
Chrysene
Concen: 4.893 ng m
RT: 21.771 min Scan# 3146
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

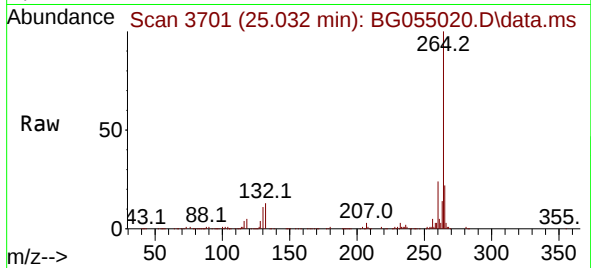
Tgt Ion:228 Resp: 78404
Ion Ratio Lower Upper
228 100
226 31.2 25.5 38.3
229 22.9 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.032 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

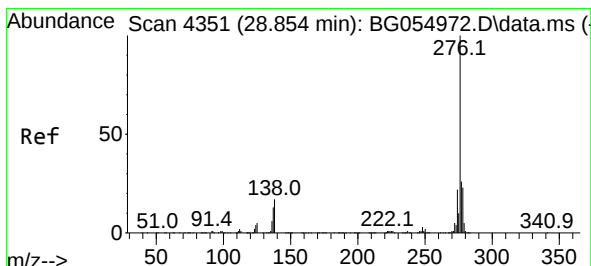
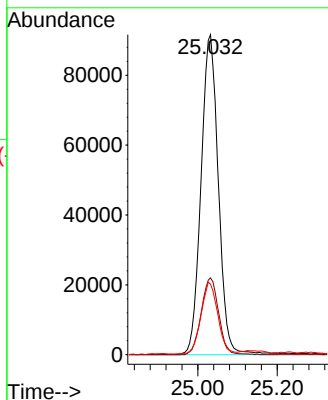
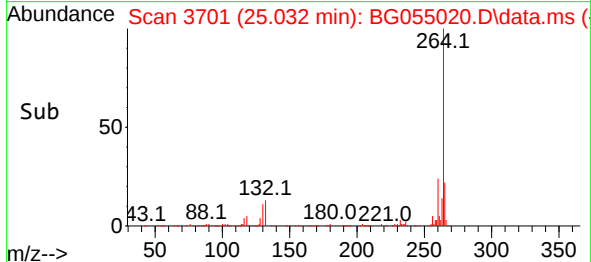
Instrument :
BNA_G
ClientSampleId :
PE-3



Tgt Ion:264 Resp: 27782
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 22.0 16.9 25.3

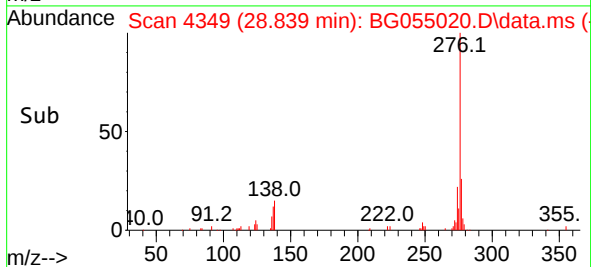
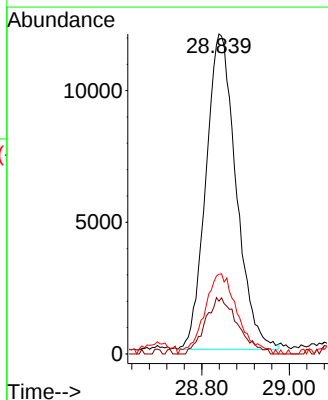
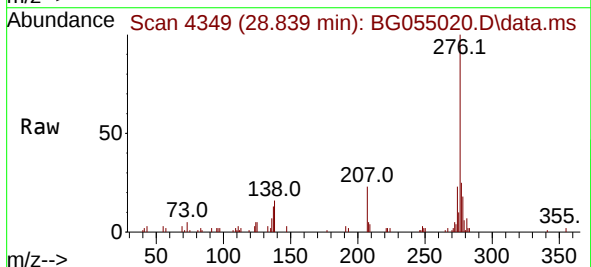
Manual Integrations
APPROVED

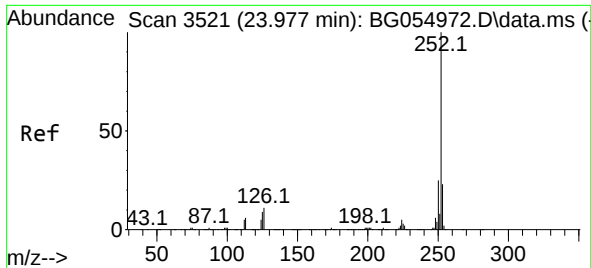
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.782 ng
RT: 28.839 min Scan# 4349
Delta R.T. -0.015 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

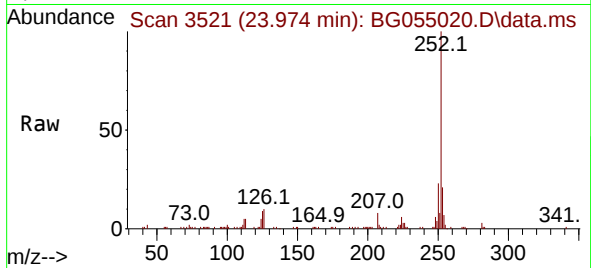
Tgt Ion:276 Resp: 57468
Ion Ratio Lower Upper
276 100
138 19.1 12.0 18.0#
277 27.5 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 6.918 ng
RT: 23.974 min Scan# 3521
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

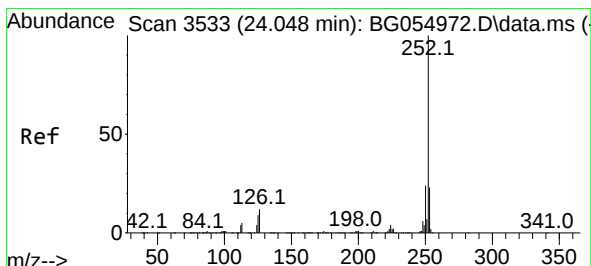
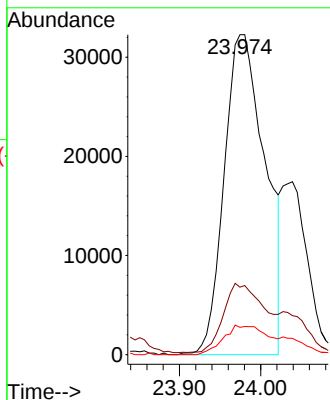
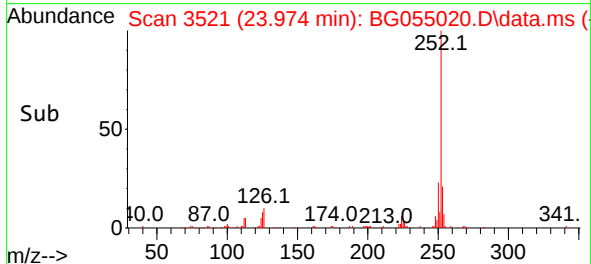
Instrument :
BNA_G
ClientSampleId :
PE-3



Tgt Ion:252 Resp: 11336
Ion Ratio Lower Upper
252 100
253 21.1 18.0 27.0
125 8.5 8.1 12.1

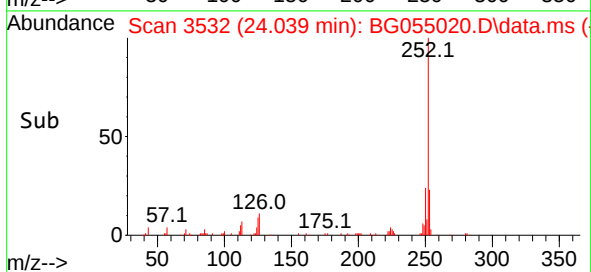
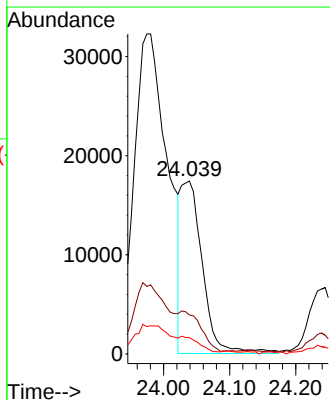
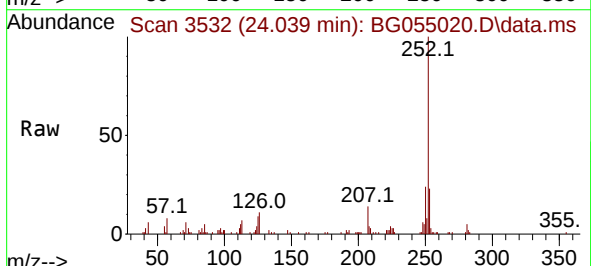
Manual Integrations
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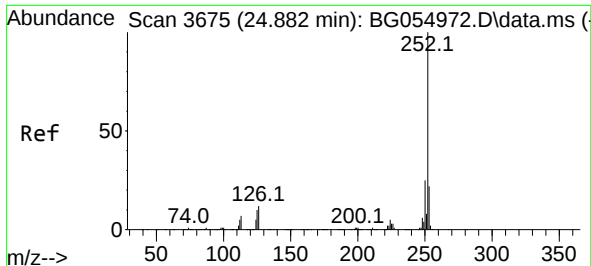
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#89
Benzo(k)fluoranthene
Concen: 2.400 ng m
RT: 24.039 min Scan# 3532
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

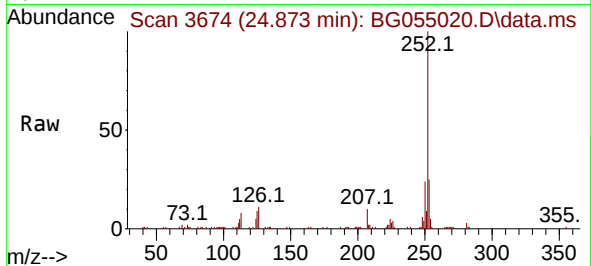
Tgt Ion:252 Resp: 39710
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 9.5 8.2 12.4





#90
Benzo(a)pyrene
Concen: 5.474 ng
RT: 24.873 min Scan# 3675
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

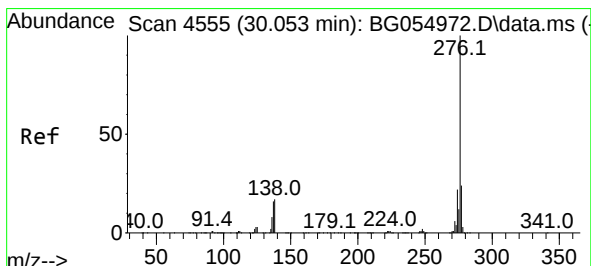
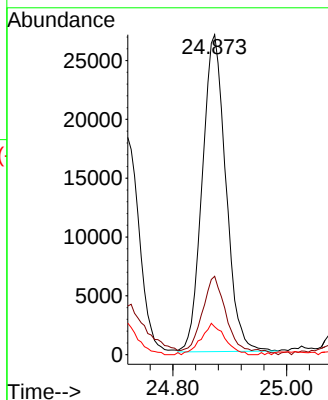
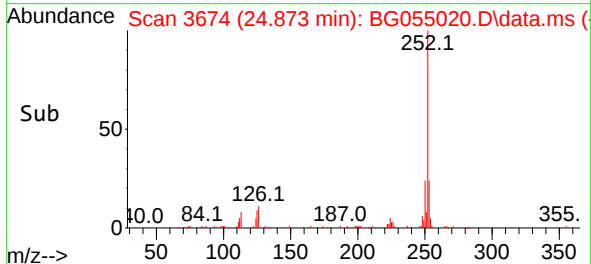
Instrument :
BNA_G
ClientSampleId :
PE-3



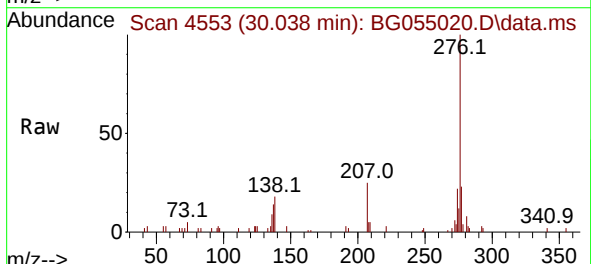
Tgt Ion:252 Resp: 7723
Ion Ratio Lower Upper
252 100
253 24.5 18.3 27.5
125 8.7 8.8 13.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.321 ng
RT: 30.038 min Scan# 4553
Delta R.T. -0.015 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13



Tgt Ion:276 Resp: 56922
Ion Ratio Lower Upper
276 100
277 22.9 19.4 29.0
138 18.3 16.6 25.0

