

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054821.D
 Acq On : 1 Sep 2022 14:04
 Operator : CG/JU
 Sample : N4433-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/02/2022
 Supervised By : Jagrut Upadhyay 09/02/2022

Quant Time: Sep 01 15:27:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	39321	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	167343	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	118840	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	271596	20.000	ng	0.00
76) Chrysene-d12	21.819	240	255888	20.000	ng	0.00
86) Perylene-d12	25.185	264	271210	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	230728	102.180	ng	0.00
7) Phenol-d6	7.295	99	322881	104.557	ng	0.00
23) Nitrobenzene-d5	9.316	82	193796	60.795	ng	-0.01
42) 2,4,6-Tribromophenol	16.266	330	162015	109.102	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	505603	63.946	ng	0.00
79) Terphenyl-d14	20.127	244	863378	66.853	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.839	154	19545	2.751	ng	97
71) Phenanthrene	17.565	178	302875	20.934	ng	99
72) Anthracene	17.659	178	72293	5.139	ng	98
75) Fluoranthene	19.574	202	495940	28.178	ng	99
78) Pyrene	19.933	202	430323	24.117	ng	98
81) Benzo(a)anthracene	21.795	228	217151	12.516	ng	98
83) Chrysene	21.866	228	190860m	11.505	ng	
87) Indeno(1,2,3-cd)pyrene	29.040	276	133002	6.460	ng	# 96
88) Benzo(b)fluoranthene	24.104	252	262468	15.427	ng	100
89) Benzo(k)fluoranthene	24.169	252	89067m	5.202	ng	
90) Benzo(a)pyrene	25.021	252	192267	13.227	ng	97
92) Benzo(g,h,i)perylene	30.262	276	135628	8.004	ng	95

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

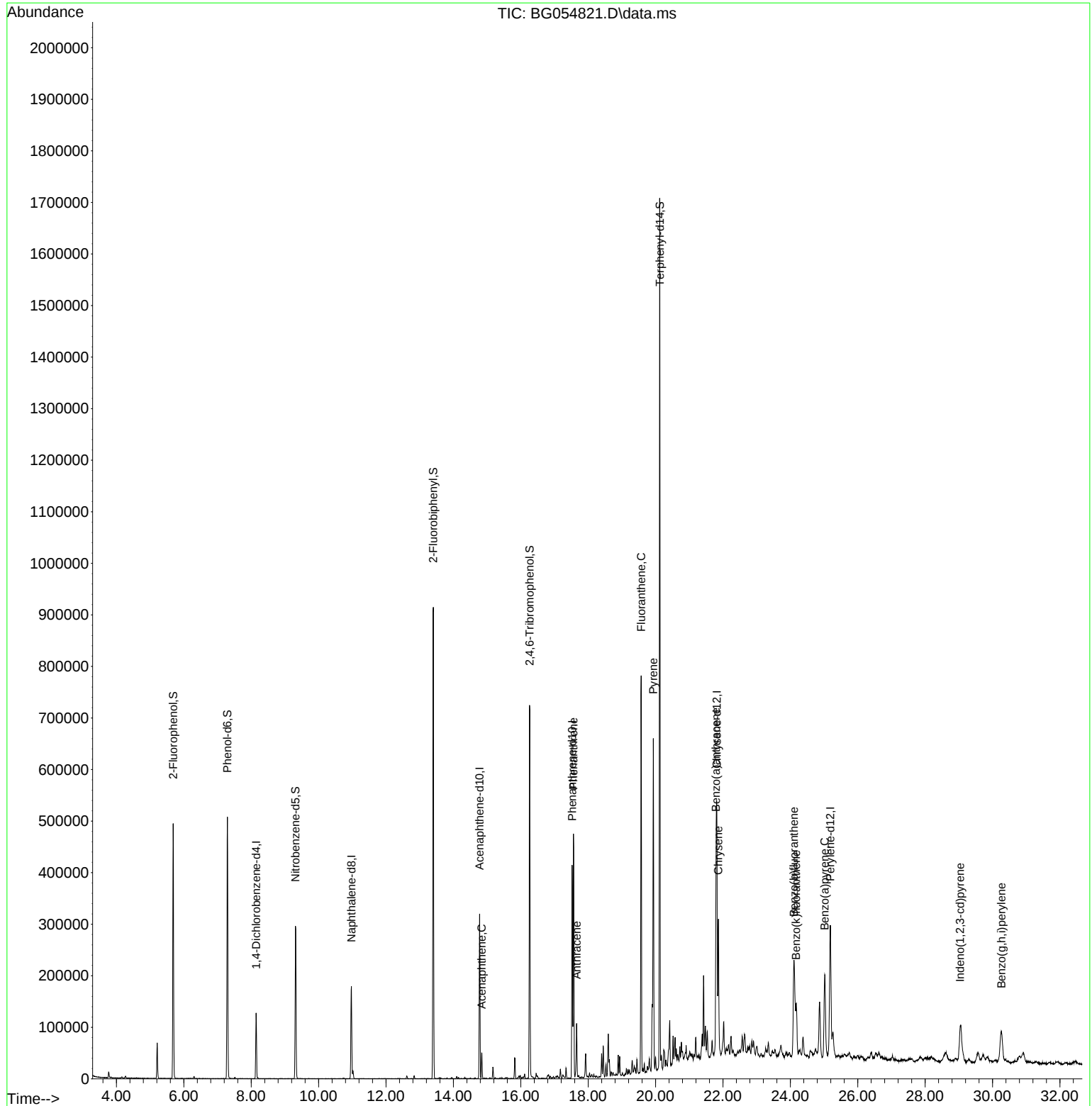
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054821.D
Acq On : 1 Sep 2022 14:04
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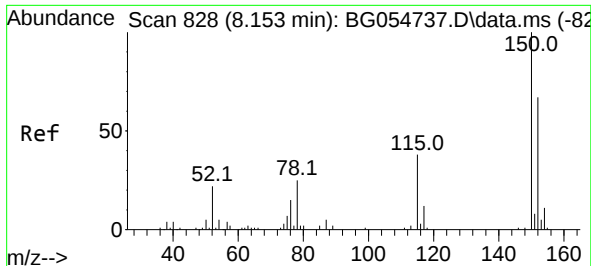
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
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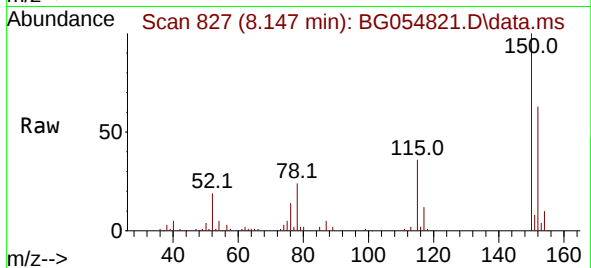
Reviewed By : Christian Giraldo 09/02/2022
Supervised By : Jagrut Upadhyay 09/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

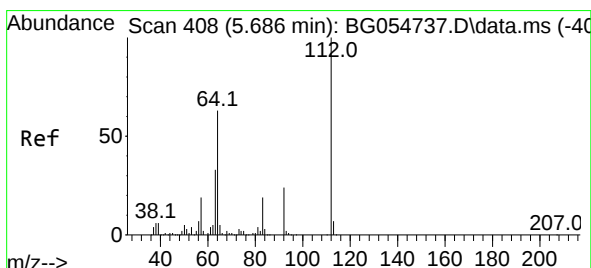
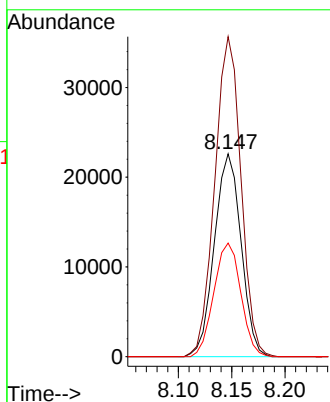
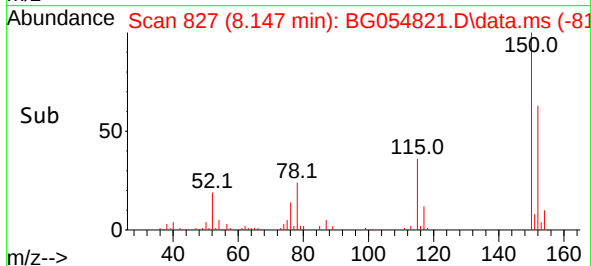
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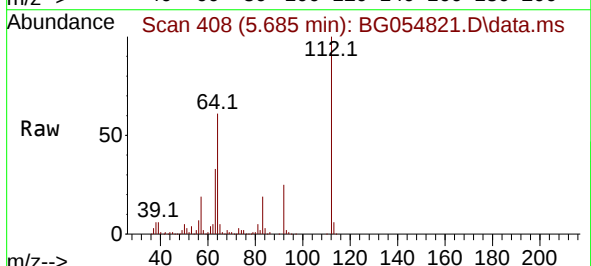
Tgt Ion:152 Resp: 3932
Ion Ratio Lower Upper
152 100
150 157.7 125.2 187.8
115 56.0 47.9 71.9

Manual Integrations
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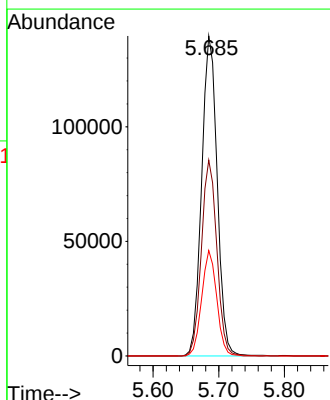
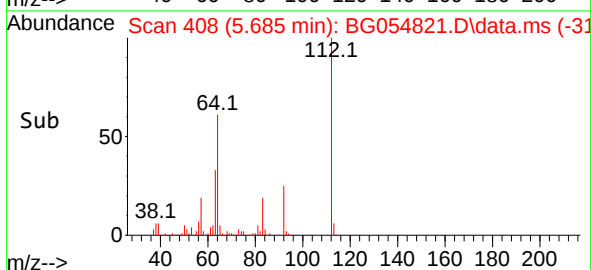
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

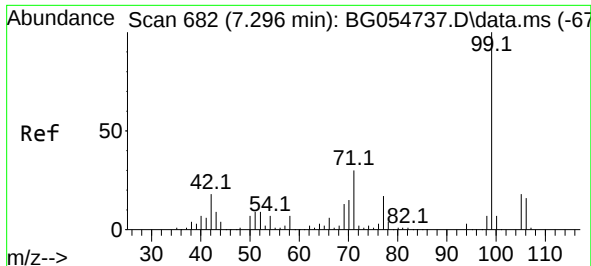


#5
2-Fluorophenol
Concen: 102.180 ng
RT: 5.685 min Scan# 408
Delta R.T. -0.001 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04



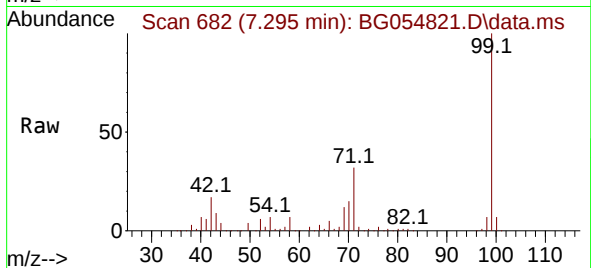
Tgt Ion:112 Resp: 230728
Ion Ratio Lower Upper
112 100
64 61.2 49.3 73.9
63 33.0 26.3 39.5





#7
Phenol-d6
Concen: 104.557 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

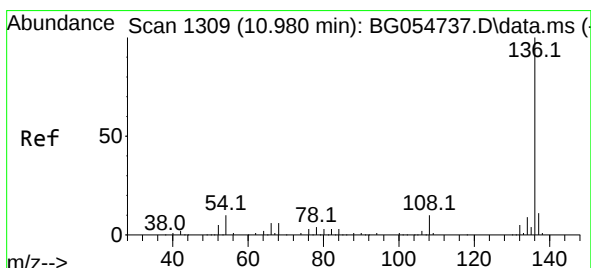
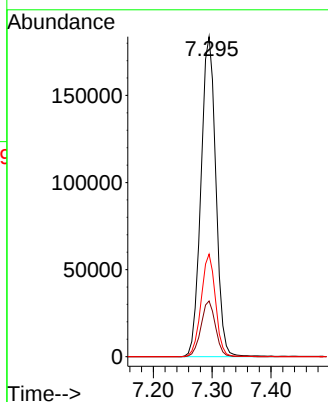
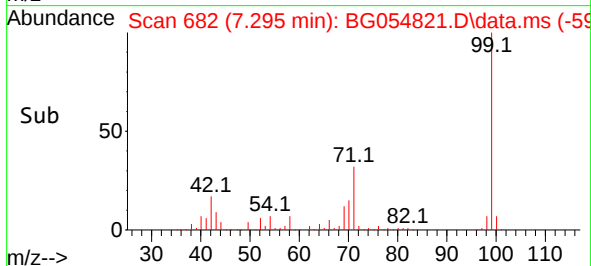
Instrument :
BNA_G
ClientSampleId :
EP-2



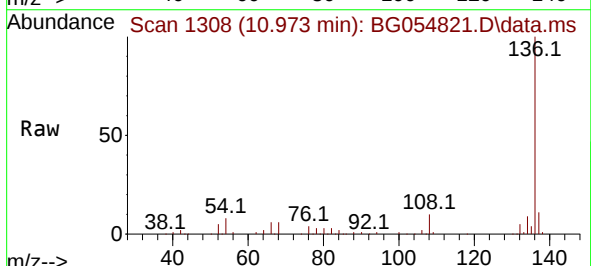
Tgt Ion: 99 Resp: 32288
Ion Ratio Lower Upper
99 100
42 17.4 14.6 22.0
71 32.1 24.6 37.0

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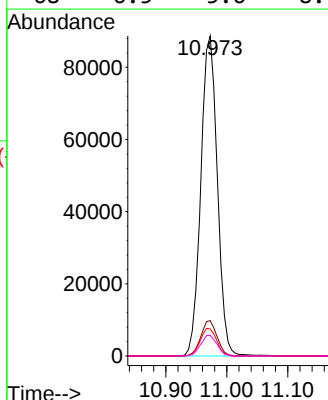
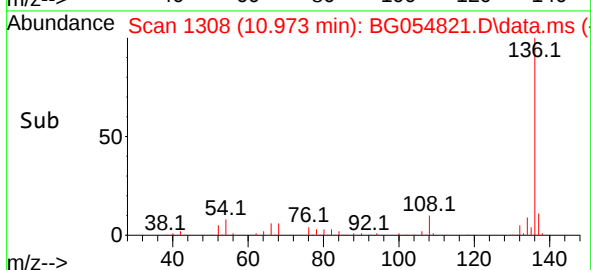
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

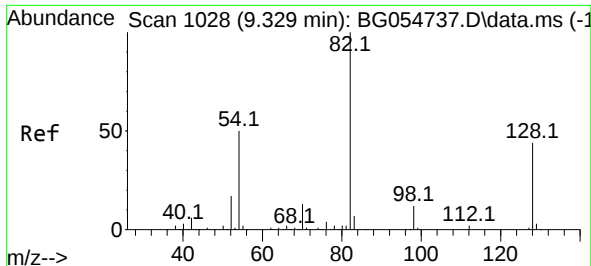


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 1308
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04



Tgt Ion:136 Resp: 167343
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.4 7.7 11.5
68 6.5 5.6 8.4





#23

Nitrobenzene-d5

Concen: 60.795 ng

RT: 9.316 min Scan# 1026

Delta R.T. -0.013 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

Instrument :

BNA_G

ClientSampleId :

EP-2

Tgt Ion: 82 Resp: 193790

Ion Ratio Lower Upper

82 100

128 44.1 32.2 48.2

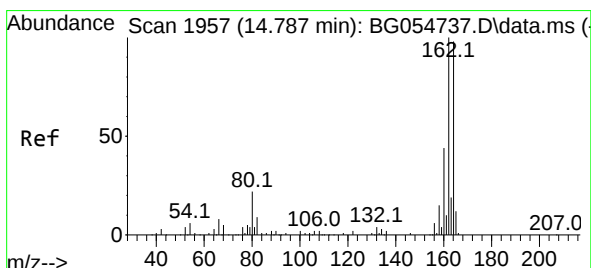
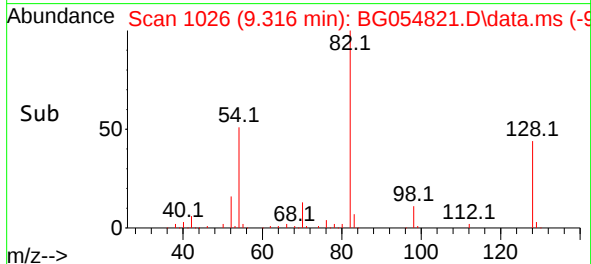
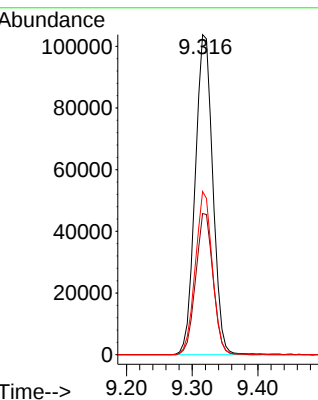
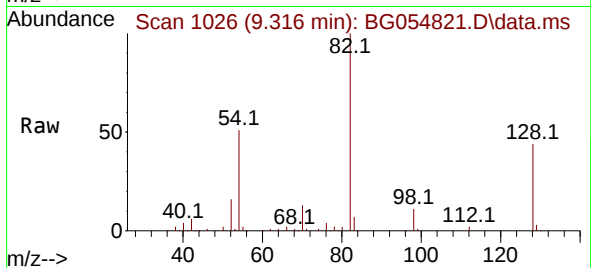
54 51.0 41.4 62.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.780 min Scan# 1956

Delta R.T. -0.007 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

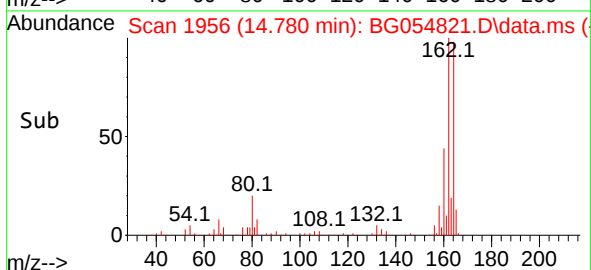
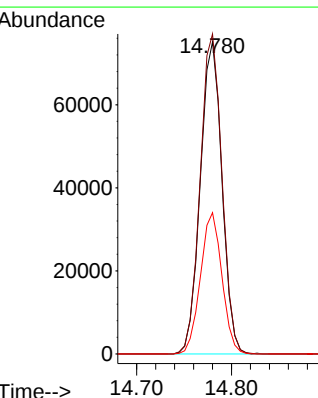
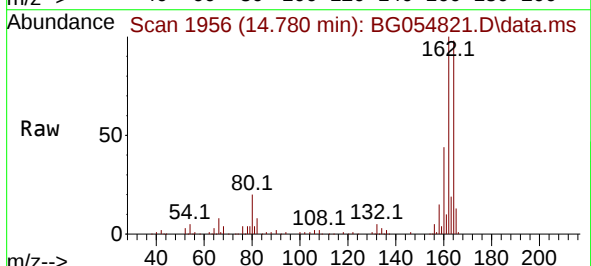
Tgt Ion:164 Resp: 118840

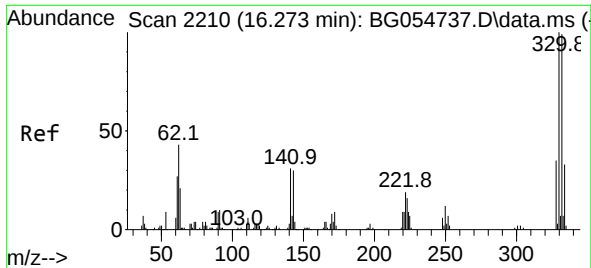
Ion Ratio Lower Upper

164 100

162 102.5 83.0 124.4

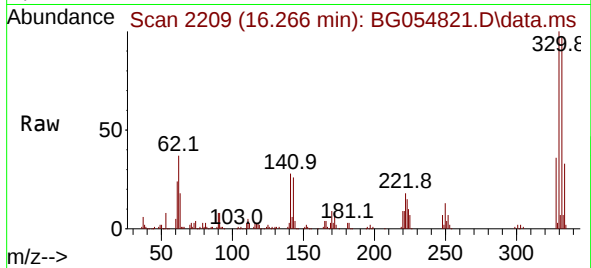
160 45.3 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 109.102 ng
RT: 16.266 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

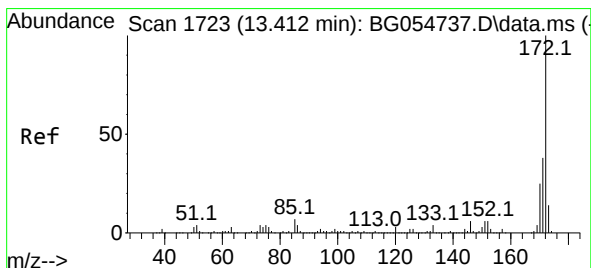
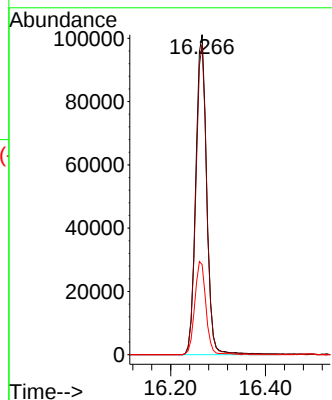
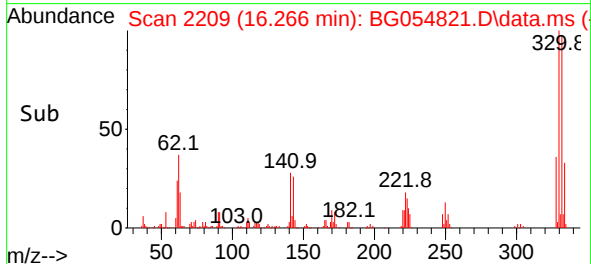
Instrument :
BNA_G
ClientSampleId :
EP-2



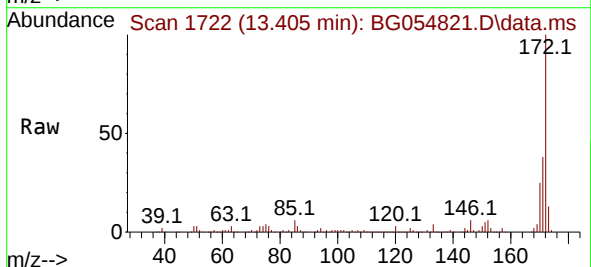
Tgt Ion:330 Resp: 162015
Ion Ratio Lower Upper
330 100
332 96.4 79.8 119.6
141 29.8 26.8 40.2

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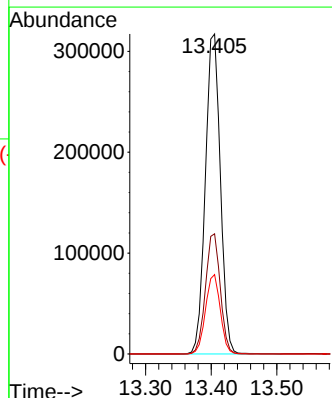
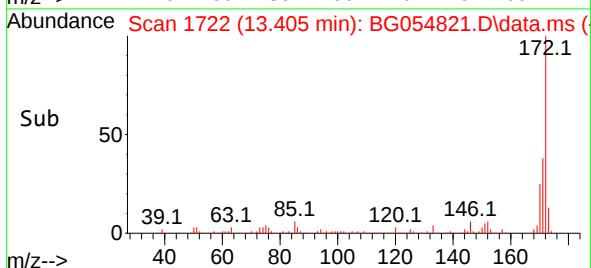
Reviewed By :Christian Giraldo 09/02/2022
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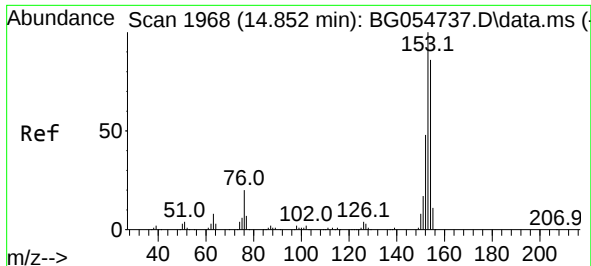


#45
2-Fluorobiphenyl
Concen: 63.946 ng
RT: 13.405 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04



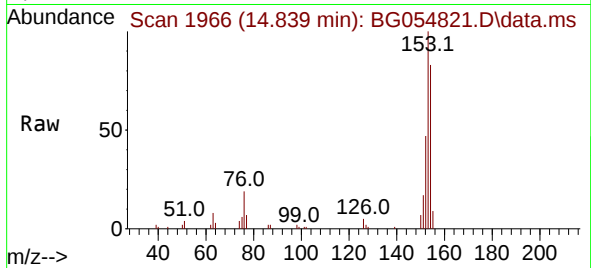
Tgt Ion:172 Resp: 505603
Ion Ratio Lower Upper
172 100
171 37.5 31.2 46.8
170 24.8 20.6 30.8





#52
Acenaphthene
Concen: 2.751 ng
RT: 14.839 min Scan# 1954
Delta R.T. -0.013 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

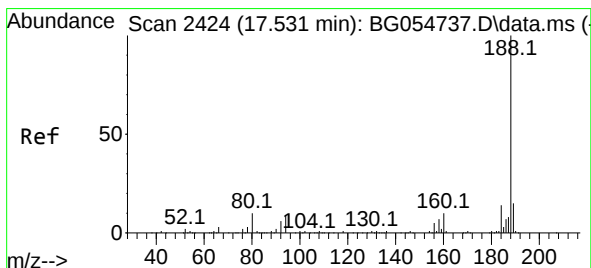
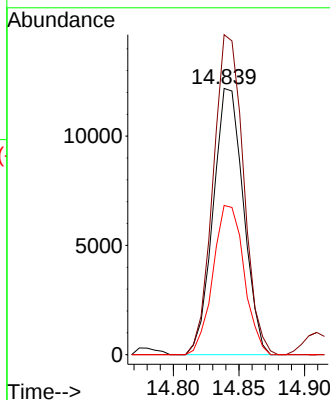
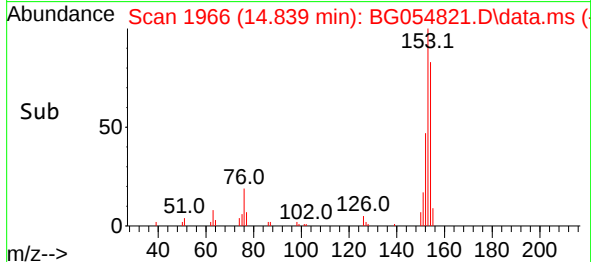
Instrument :
BNA_G
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EP-2



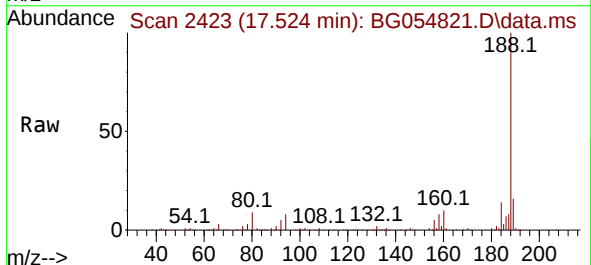
Tgt Ion:154 Resp: 1954
Ion Ratio Lower Upper
154 100
153 120.2 92.8 139.2
152 56.1 45.4 68.2

Manual Integrations
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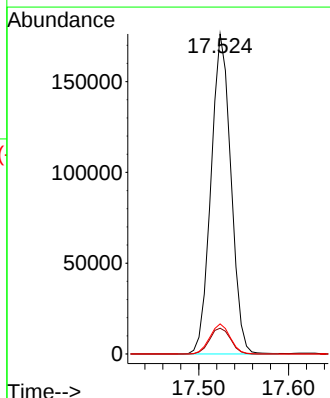
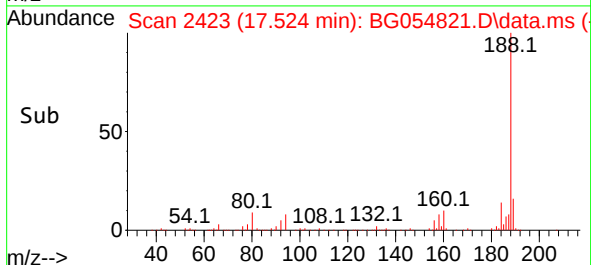
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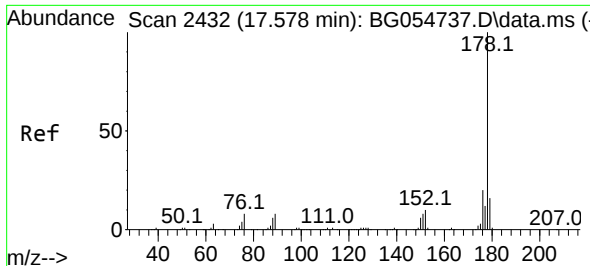


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.524 min Scan# 2423
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04



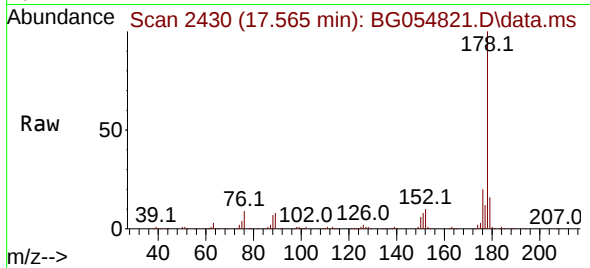
Tgt Ion:188 Resp: 271596
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.4
80 9.4 7.9 11.9





#71
Phenanthrene
Concen: 20.934 ng
RT: 17.565 min Scan# 2432
Delta R.T. -0.013 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

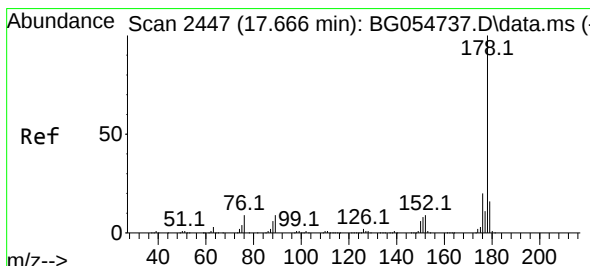
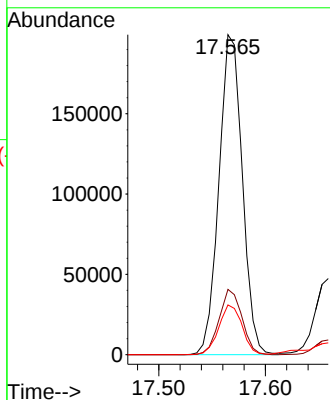
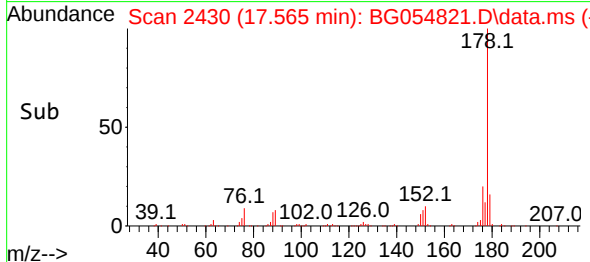
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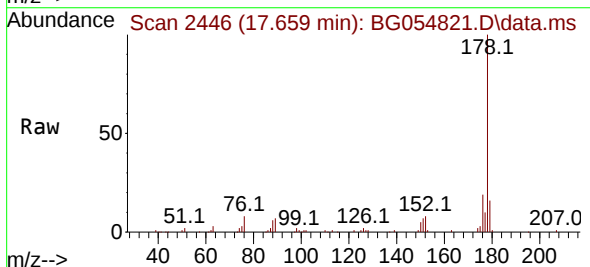
Tgt Ion:178 Resp: 302875
Ion Ratio Lower Upper
178 100
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179 15.6 12.8 19.2

Manual Integrations
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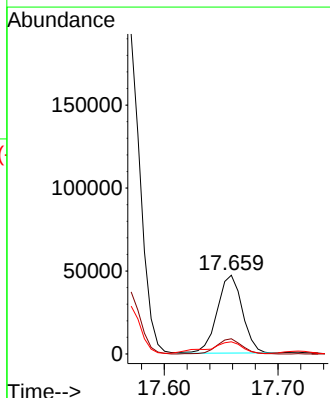
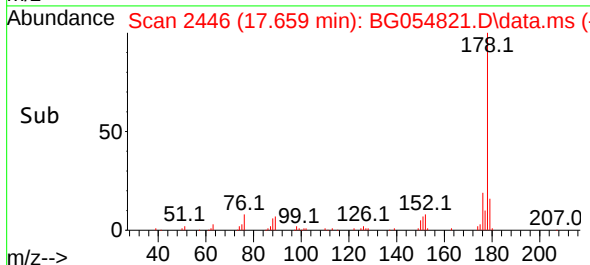
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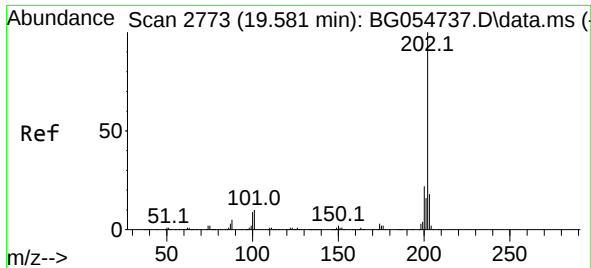


#72
Anthracene
Concen: 5.139 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04



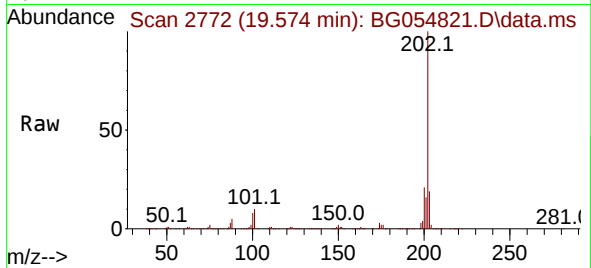
Tgt Ion:178 Resp: 72293
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.5 12.9 19.3





#75
Fluoranthene
Concen: 28.178 ng
RT: 19.574 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

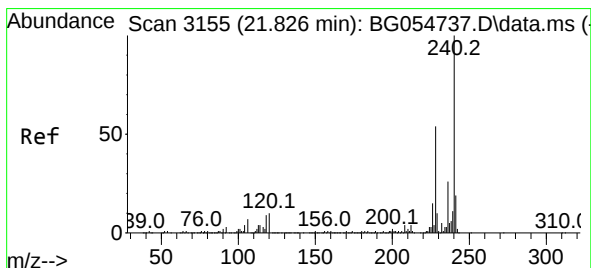
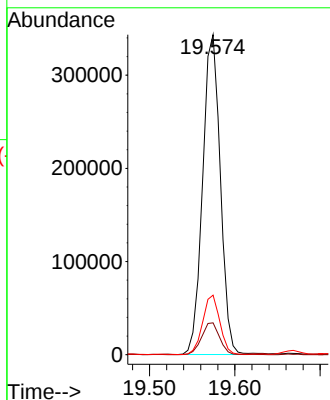
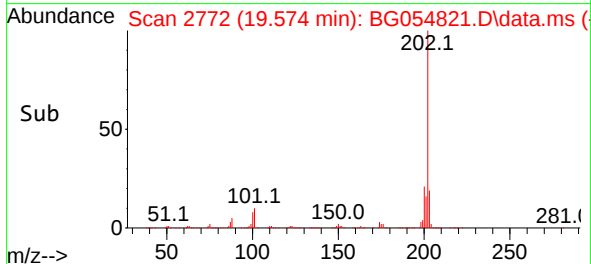
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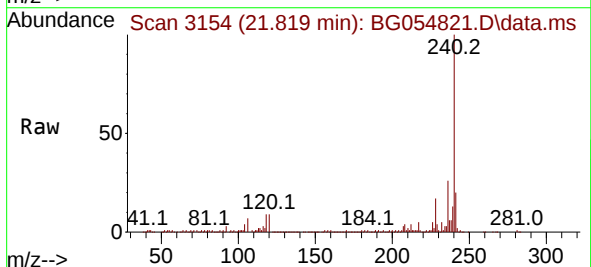
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Ion Ratio Lower Upper
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101 9.9 0.0 31.4
203 18.6 0.0 38.6

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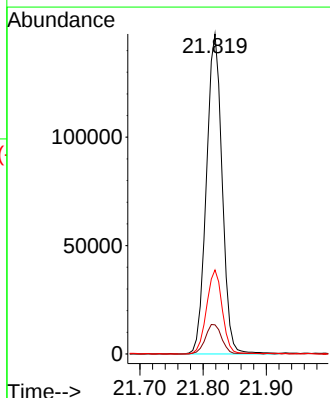
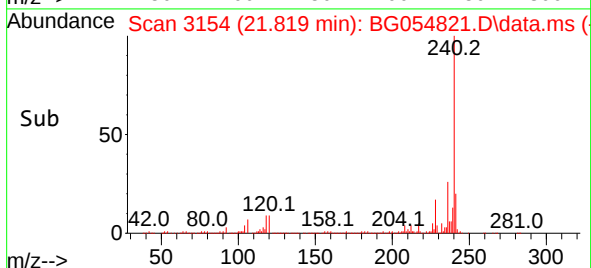
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022

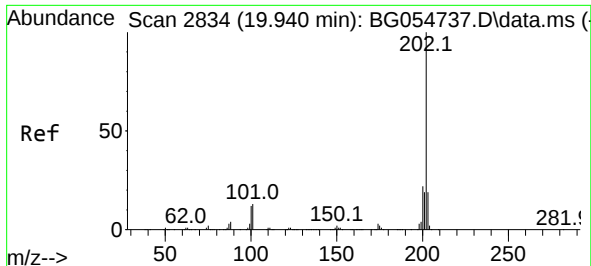


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04



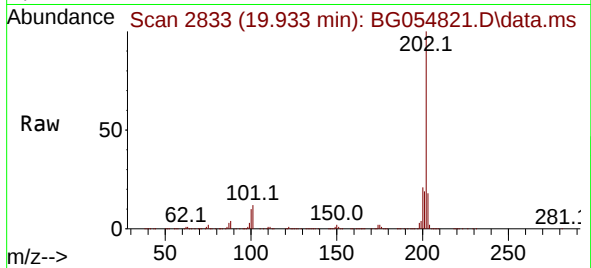
Tgt Ion:240 Resp: 255888
Ion Ratio Lower Upper
240 100
120 9.1 8.2 12.4
236 26.3 21.2 31.8





#78
 Pyrene
 Concen: 24.117 ng
 RT: 19.933 min Scan# 2833
 Delta R.T. -0.007 min
 Lab File: BG054821.D
 Acq: 1 Sep 2022 14:04

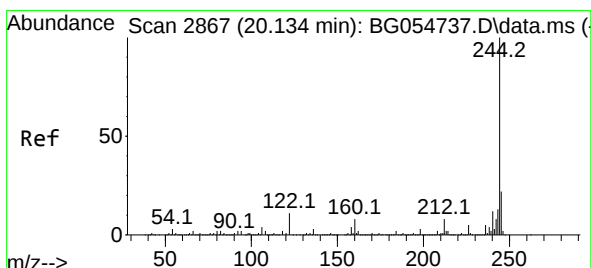
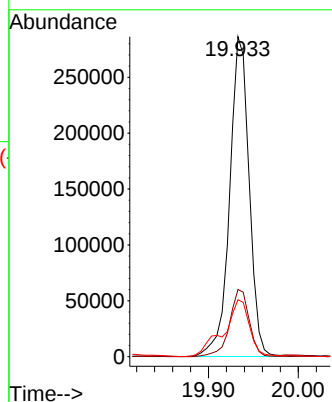
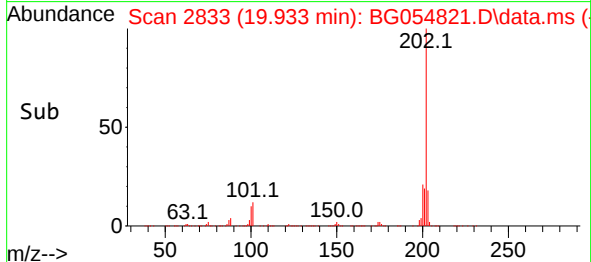
Instrument :
 BNA_G
 ClientSampleId :
 EP-2



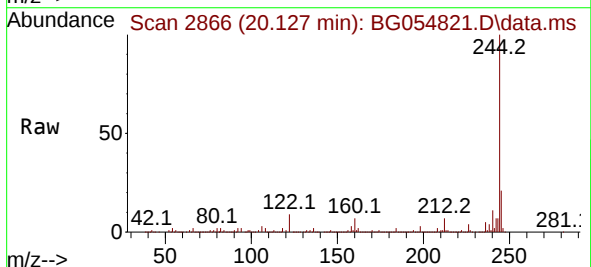
Tgt Ion:202 Resp: 43032
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.8 26.6
 203 17.8 14.6 21.8

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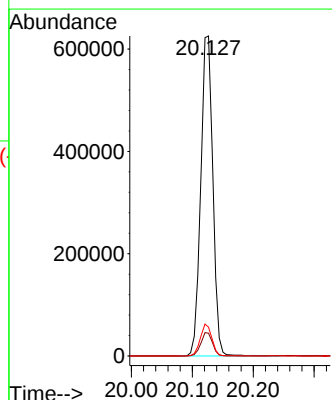
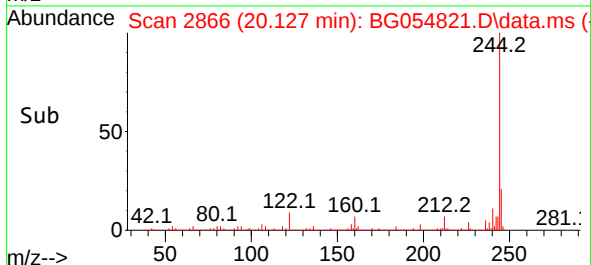
Reviewed By :Christian Giraldo 09/02/2022
 Supervised By :Jagrut Upadhyay 09/02/2022

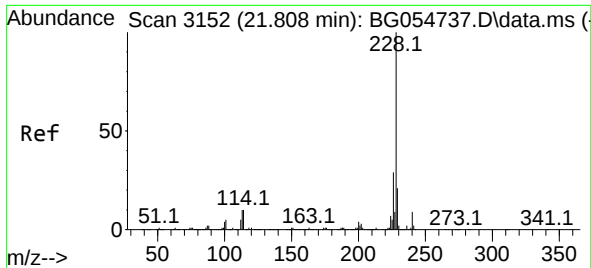


#79
 Terphenyl-d14
 Concen: 66.853 ng
 RT: 20.127 min Scan# 2866
 Delta R.T. -0.007 min
 Lab File: BG054821.D
 Acq: 1 Sep 2022 14:04



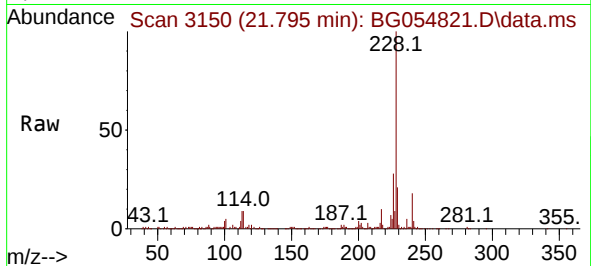
Tgt Ion:244 Resp: 863378
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 9.0 9.0 13.6#





#81
Benzo(a)anthracene
Concen: 12.516 ng
RT: 21.795 min Scan# 3152
Delta R.T. -0.013 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

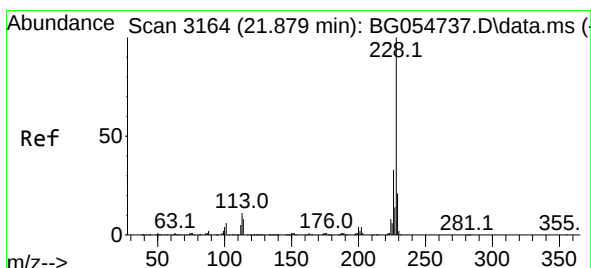
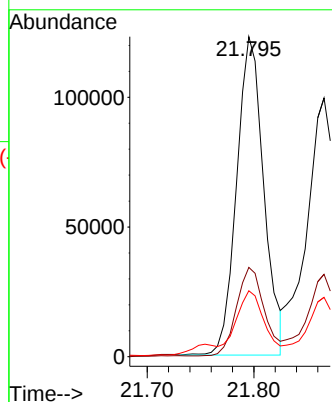
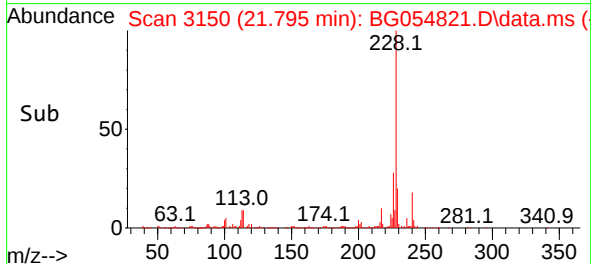
Instrument :
BNA_G
ClientSampleId :
EP-2



Tgt Ion:228 Resp: 21715
Ion Ratio Lower Upper
228 100
226 27.9 23.4 35.2
229 20.6 16.5 24.7

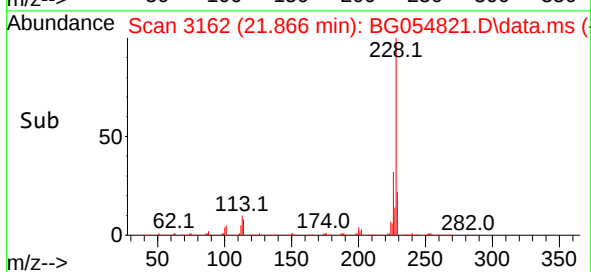
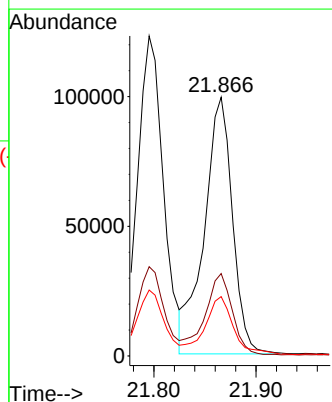
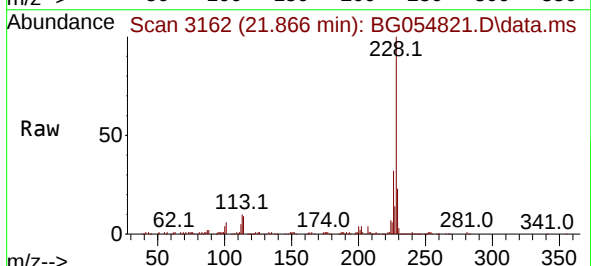
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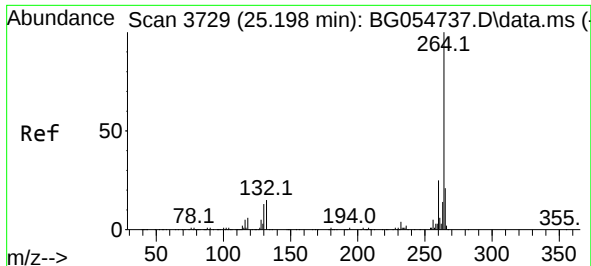
Reviewed By :Christian Giraldo 09/02/2022
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#83
Chrysene
Concen: 11.505 ng m
RT: 21.866 min Scan# 3162
Delta R.T. -0.013 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

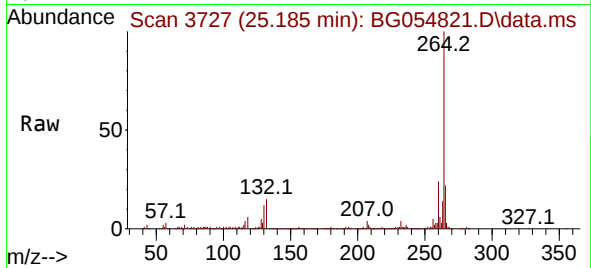
Tgt Ion:228 Resp: 190860
Ion Ratio Lower Upper
228 100
226 31.9 25.5 38.3
229 23.0 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.185 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

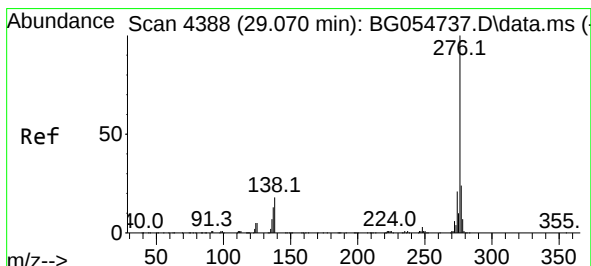
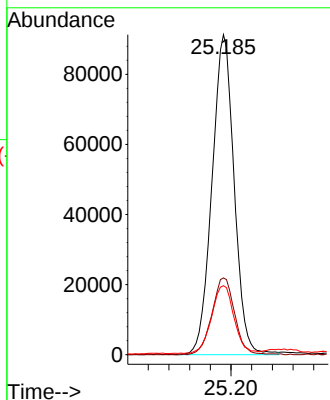
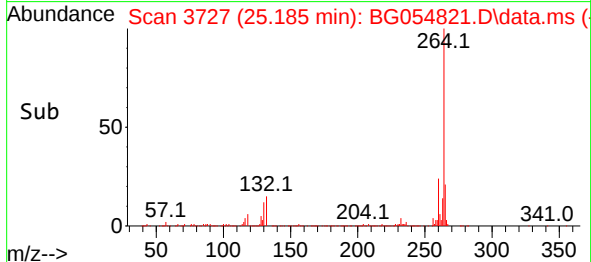
Instrument :
BNA_G
ClientSampleId :
EP-2



Tgt Ion:264 Resp: 271210
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 21.6 16.9 25.3

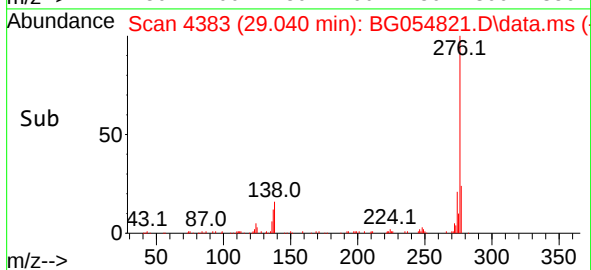
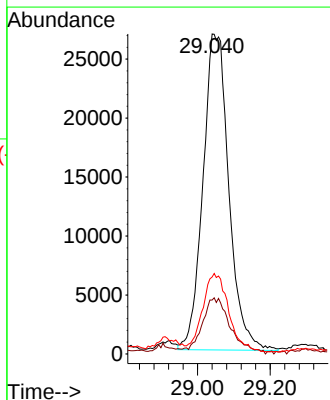
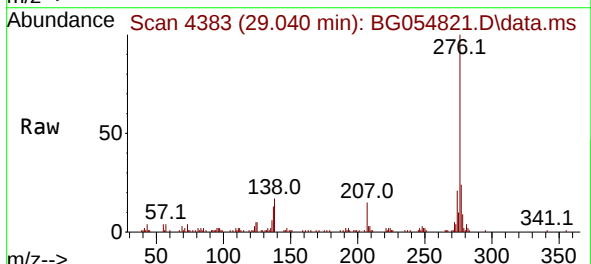
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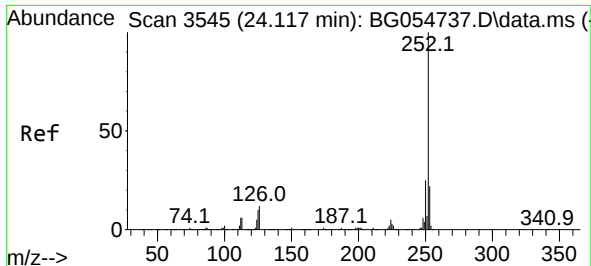
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.460 ng
RT: 29.040 min Scan# 4383
Delta R.T. -0.030 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

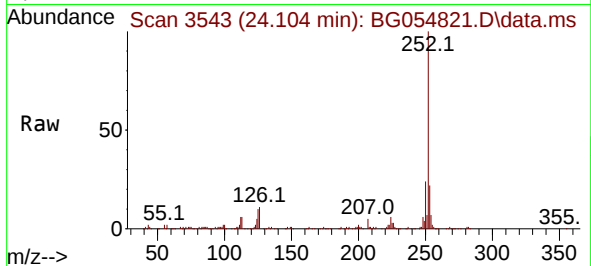
Tgt Ion:276 Resp: 133002
Ion Ratio Lower Upper
276 100
138 19.2 12.0 18.0#
277 25.0 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 15.427 ng
RT: 24.104 min Scan# 3543
Delta R.T. -0.013 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

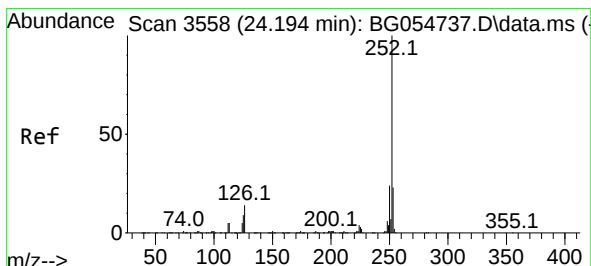
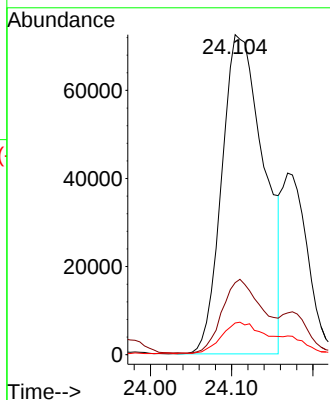
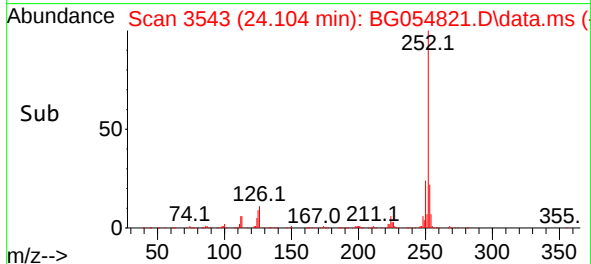
Instrument :
BNA_G
ClientSampleId :
EP-2



Tgt Ion:252 Resp: 262468
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 9.9 8.1 12.1

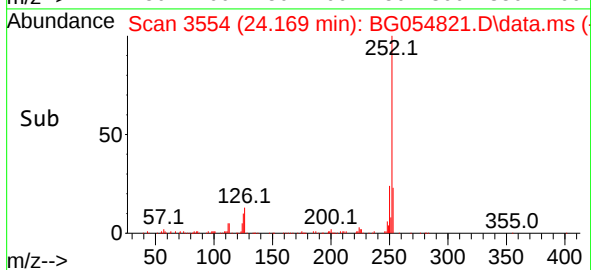
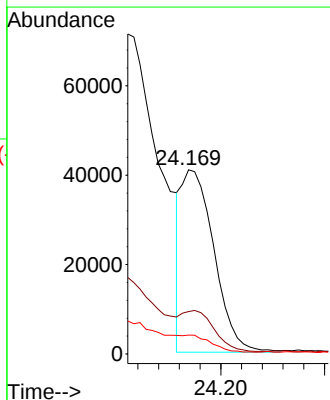
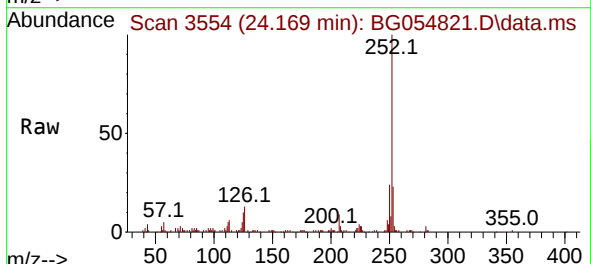
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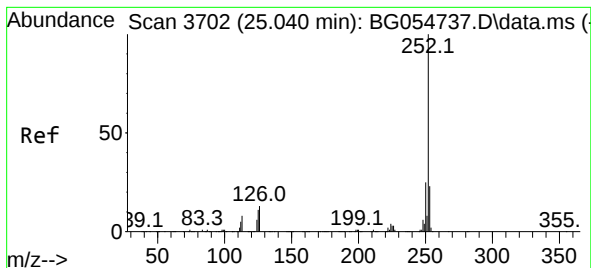
Reviewed By :Christian Giraldo 09/02/2022
Supervised By :Jagrut Upadhyay 09/02/2022



#89
Benzo(k)fluoranthene
Concen: 5.202 ng m
RT: 24.169 min Scan# 3554
Delta R.T. -0.025 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Tgt Ion:252 Resp: 89067
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.3 8.2 12.4





#90

Benzo(a)pyrene

Concen: 13.227 ng

RT: 25.021 min Scan# 30

Delta R.T. -0.019 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

Instrument :

BNA_G

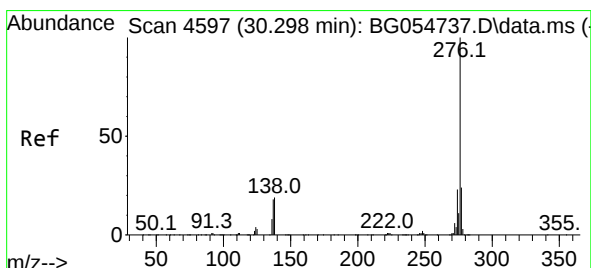
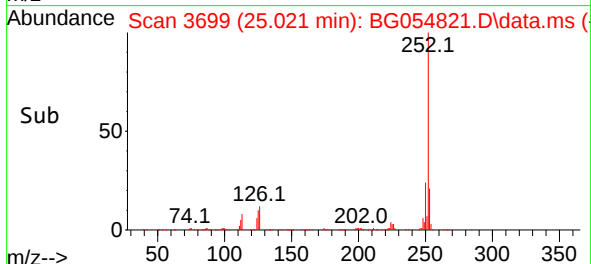
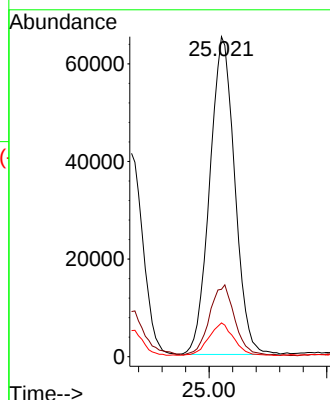
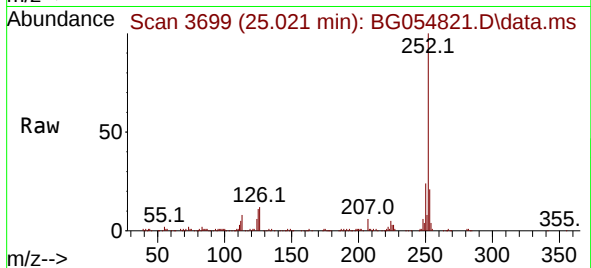
ClientSampleId :

EP-2

Tgt Ion:252 Resp: 19226
 Ion Ratio Lower Upper
 252 100
 253 21.0 18.3 27.5
 125 10.5 8.8 13.2

Manual Integrations
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Reviewed By :Christian Giraldo 09/02/2022
 Supervised By :Jagrut Upadhyay 09/02/2022



#92

Benzo(g,h,i)perylene

Concen: 8.004 ng

RT: 30.262 min Scan# 4591

Delta R.T. -0.036 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

Tgt Ion:276 Resp: 135628
 Ion Ratio Lower Upper
 276 100
 277 22.7 19.4 29.0
 138 16.9 16.6 25.0

