

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053741.D
 Acq On : 27 May 2022 20:13
 Operator : CG/JU
 Sample : N3000-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-01-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/28/2022
 Supervised By : Jagrut Upadhyay 05/31/2022

Quant Time: May 28 02:00:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	24576	20.000	ng	-0.03
21) Naphthalene-d8	10.761	136	105287	20.000	ng	-0.04
39) Acenaphthene-d10	14.597	164	78673	20.000	ng	-0.03
64) Phenanthrene-d10	17.340	188	167074	20.000	ng	-0.03
76) Chrysene-d12	21.605	240	150834	20.000	ng	-0.03
86) Perylene-d12	24.795	264	154642	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.533	112	155342	107.274	ng	-0.02
7) Phenol-d6	7.160	99	236856	107.775	ng	0.00
23) Nitrobenzene-d5	9.122	82	165594	66.951	ng	-0.03
42) 2,4,6-Tribromophenol	16.095	330	110934	95.605	ng	-0.02
45) 2-Fluorobiphenyl	13.216	172	335215	62.263	ng	-0.03
79) Terphenyl-d14	19.954	244	464423	57.346	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	14.656	154	13283	3.324	ng	98
58) Fluorene	15.642	166	12464	2.164	ng	99
71) Phenanthrene	17.387	178	394069	46.386	ng	98
72) Anthracene	17.475	178	93189	11.160	ng	100
75) Fluoranthene	19.402	202	862213	78.383	ng	97
78) Pyrene	19.766	202	806220	82.569	ng	99
81) Benzo(a)anthracene	21.587	228	423759	44.048	ng	98
83) Chrysene	21.652	228	363358	40.440	ng	97
87) Indeno(1,2,3-cd)pyrene	28.443	276	240780	22.356	ng	# 96
88) Benzo(b)fluoranthene	23.790	252	477460	52.161	ng	100
89) Benzo(k)fluoranthene	23.849	252	147120m	16.356	ng	
90) Benzo(a)pyrene	24.648	252	357130	45.839	ng	98
91) Dibenzo(a,h)anthracene	28.478	278	60453m	6.812	ng	
92) Benzo(g,h,i)perylene	29.577	276	230773	26.233	ng	94

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

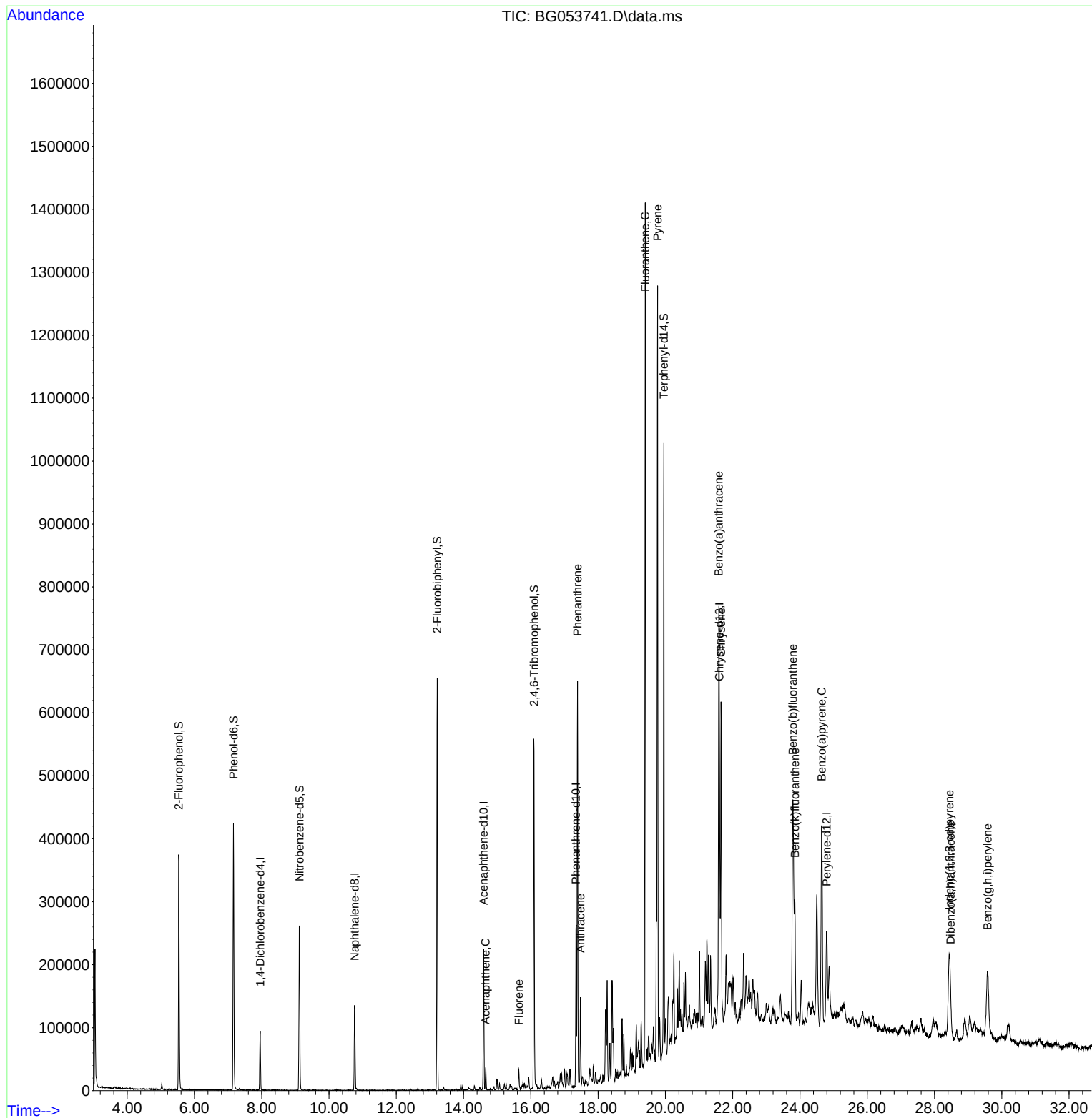
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
Data File : BG053741.D
Acq On : 27 May 2022 20:13
Operator : CG/JU
Sample : N3000-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

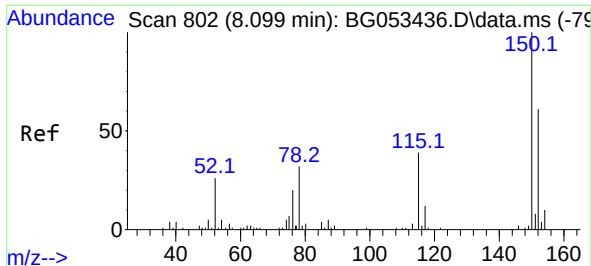
Instrument :
BNA_G
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Quant Time: May 28 02:00:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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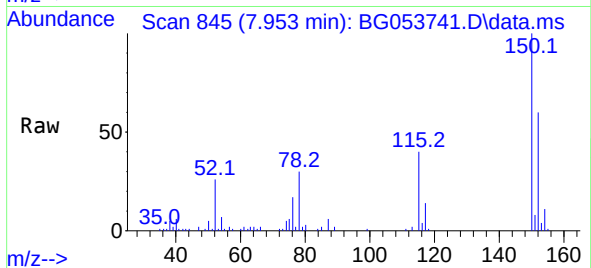
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 84
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP

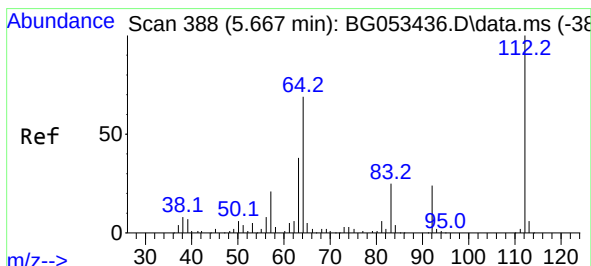
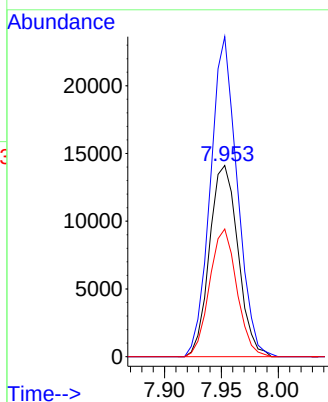
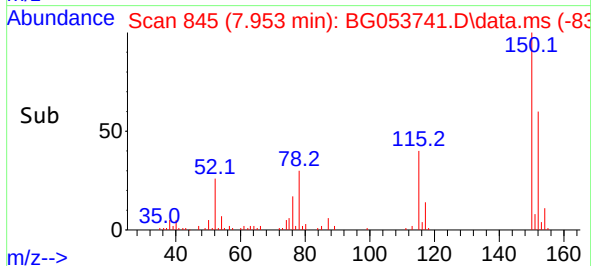


Tgt Ion:152 Resp: 24570
Ion Ratio Lower Upper
152 100
150 167.3 131.6 197.4
115 66.8 50.9 76.3

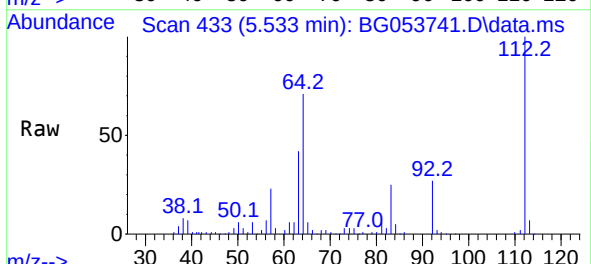
Manual Integrations

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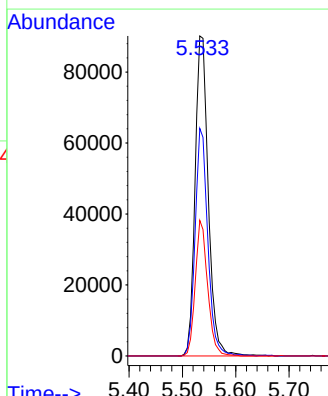
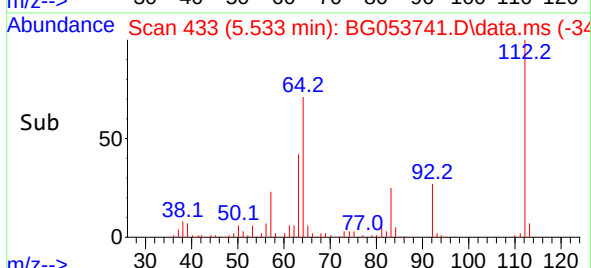
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

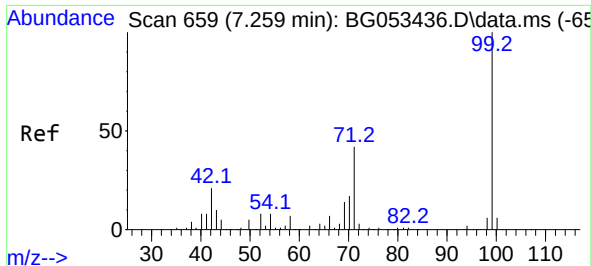


#5
2-Fluorophenol
Concen: 107.274 ng
RT: 5.533 min Scan# 433
Delta R.T. -0.022 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13



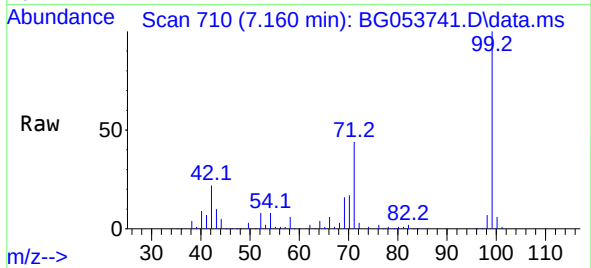
Tgt Ion:112 Resp: 155342
Ion Ratio Lower Upper
112 100
64 71.1 55.1 82.7
63 42.4 30.4 45.6





#7
Phenol-d6
Concen: 107.775 ng
RT: 7.160 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

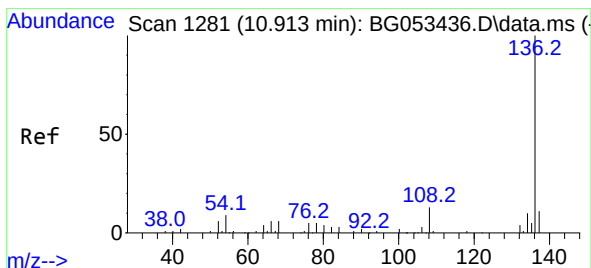
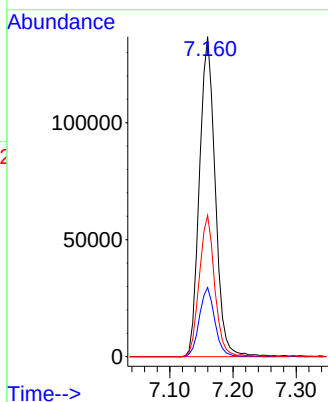
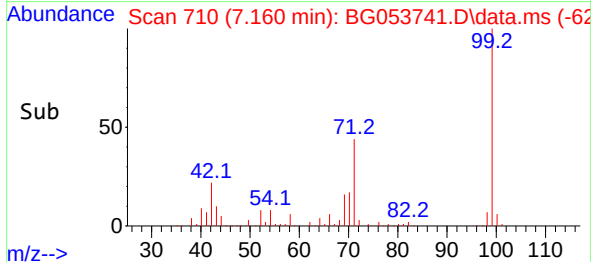
Instrument :
BNA_G
ClientSampleId :
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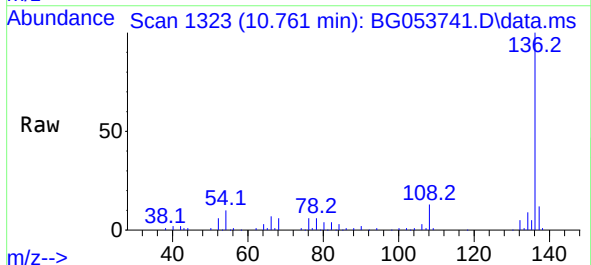
Tgt Ion: 99 Resp: 236850
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 44.1 33.8 50.8

Manual Integrations
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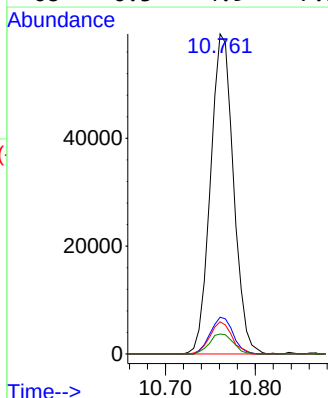
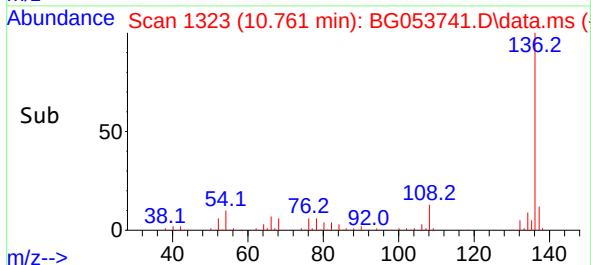
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

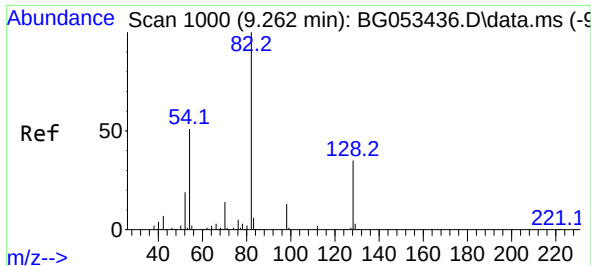


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1323
Delta R.T. -0.039 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13



Tgt Ion:136 Resp: 105287
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 10.0 7.4 11.2
68 6.3 4.9 7.3





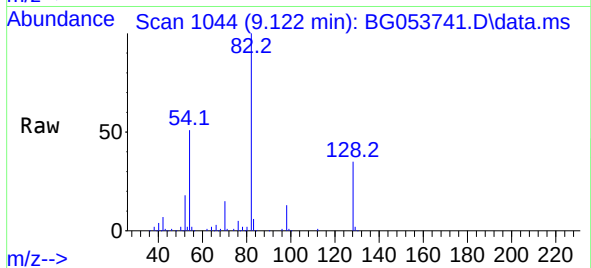
#23
Nitrobenzene-d5
Concen: 66.951 ng
RT: 9.122 min Scan# 10
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP

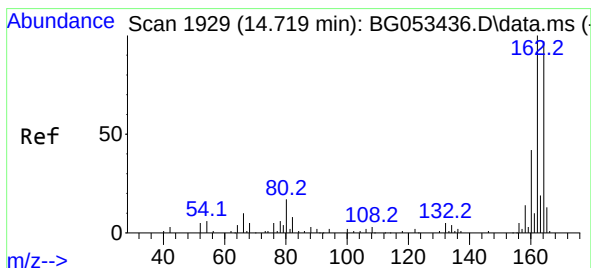
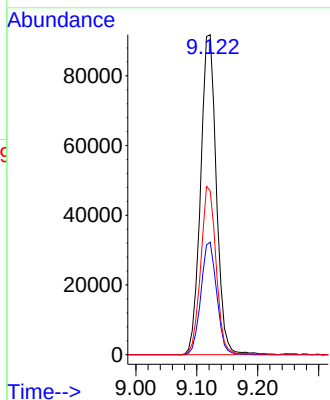
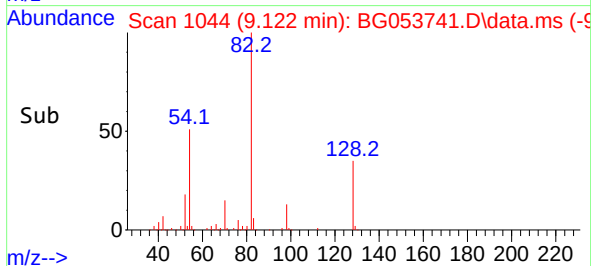


Tgt Ion: 82 Resp: 165594
Ion Ratio Lower Upper
82 100
128 35.2 27.9 41.9
54 51.2 41.2 61.8

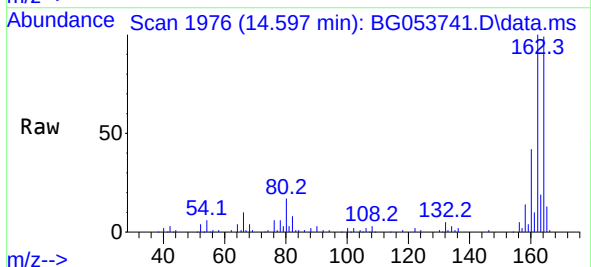
Manual Integrations

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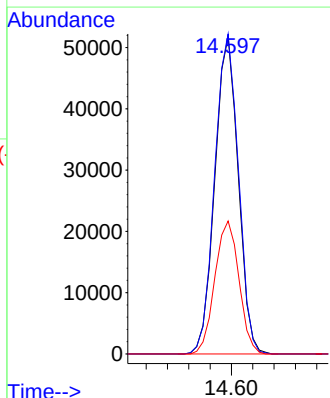
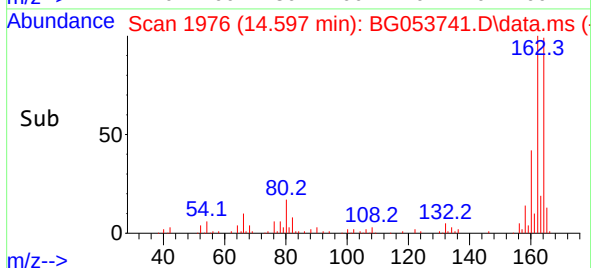
Reviewed By :Christian Giraldo 05/28/2022
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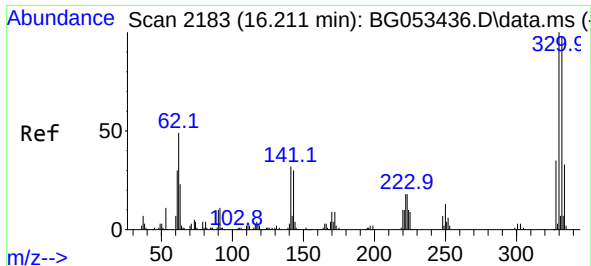


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.597 min Scan# 1976
Delta R.T. -0.027 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13



Tgt Ion:164 Resp: 78673
Ion Ratio Lower Upper
164 100
162 100.9 82.3 123.5
160 41.9 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 95.605 ng
RT: 16.095 min Scan# 2183
Delta R.T. -0.022 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

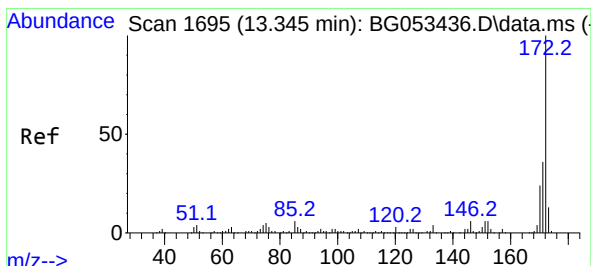
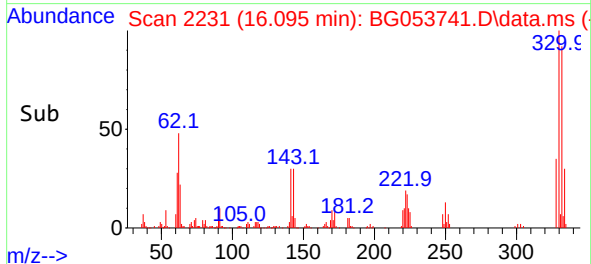
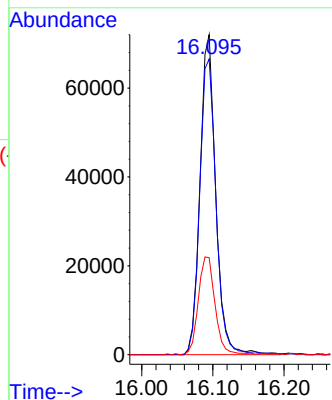
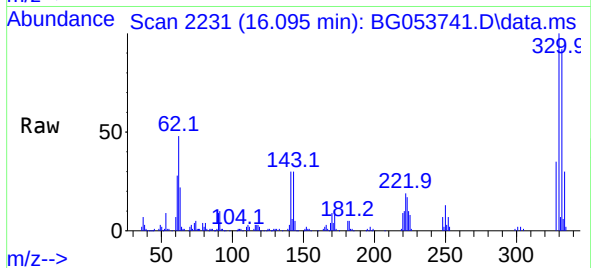
TP-01-COMP

Tgt Ion:330 Resp: 110934
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 32.7 27.1 40.7

Manual Integrations

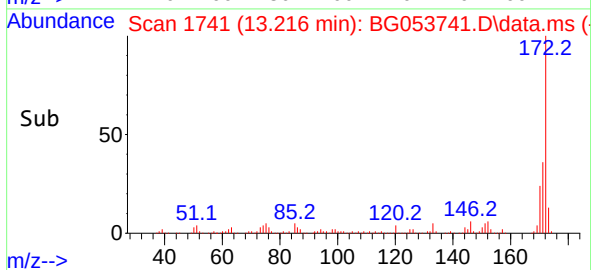
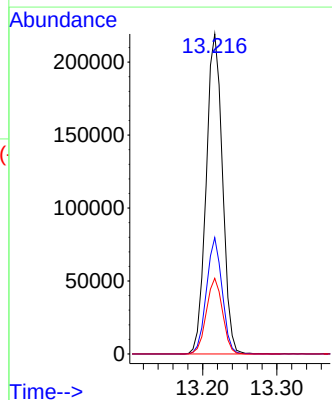
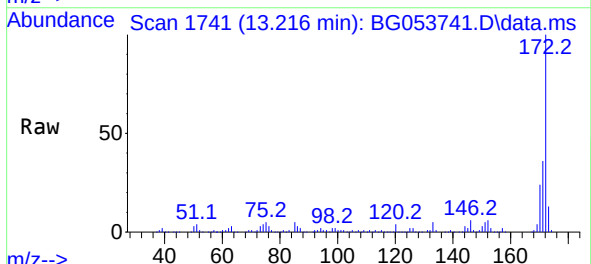
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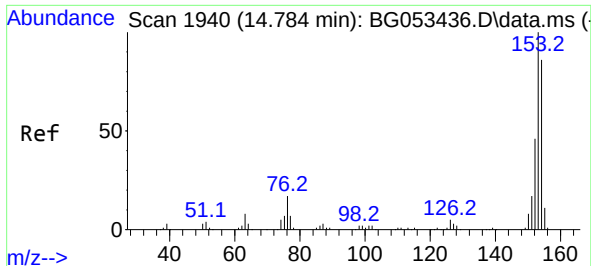
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#45
2-Fluorobiphenyl
Concen: 62.263 ng
RT: 13.216 min Scan# 1741
Delta R.T. -0.027 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:172 Resp: 335215
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 23.6 18.9 28.3





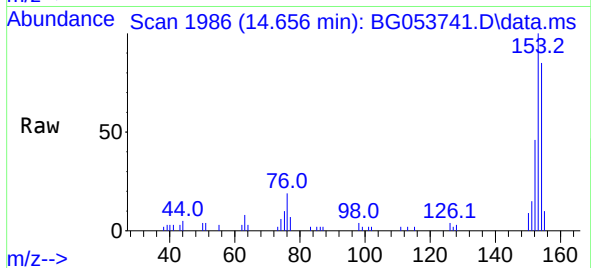
#52
Acenaphthene
Concen: 3.324 ng
RT: 14.656 min Scan# 1940
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP

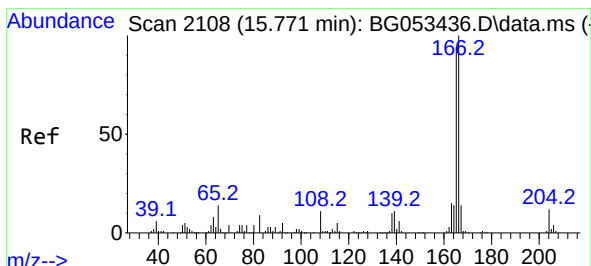
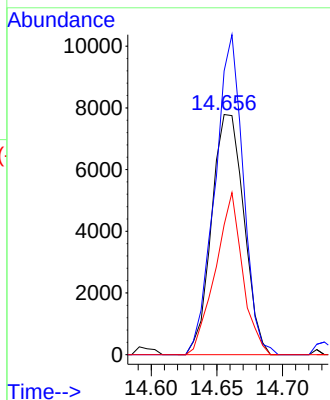
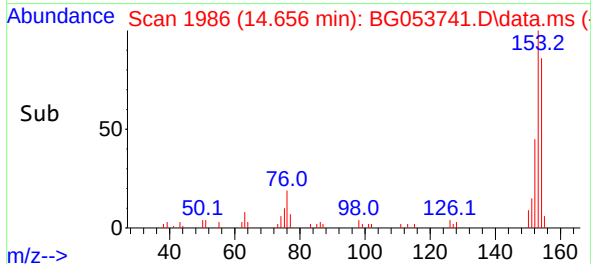


Tgt Ion:154 Resp: 1328
Ion Ratio Lower Upper
154 100
153 118.1 92.7 139.1
152 54.0 42.6 64.0

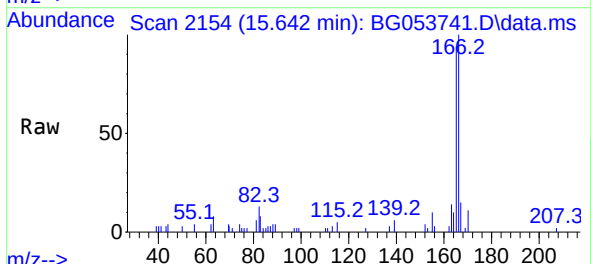
Manual Integrations

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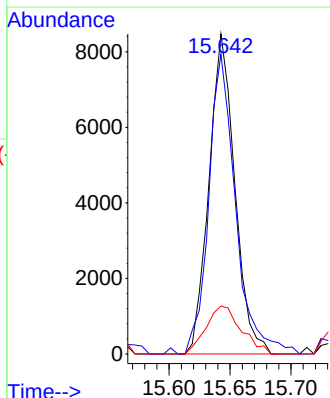
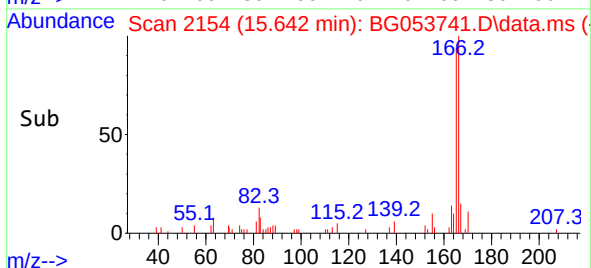
Reviewed By :Christian Giraldo 05/28/2022
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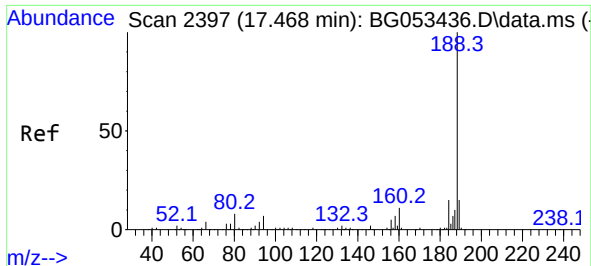


#58
Fluorene
Concen: 2.164 ng
RT: 15.642 min Scan# 2154
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13



Tgt Ion:166 Resp: 12464
Ion Ratio Lower Upper
166 100
165 93.7 75.0 112.6
167 14.9 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.340 min Scan# 2443
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

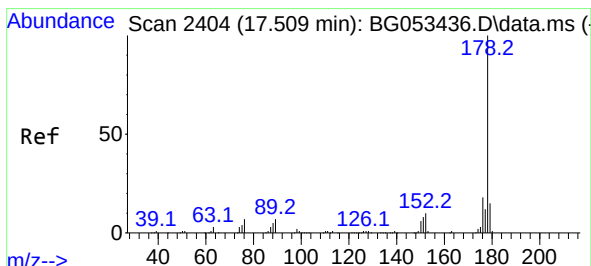
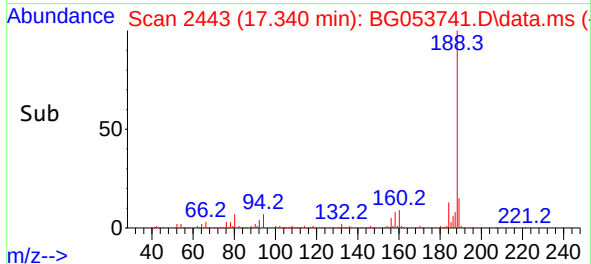
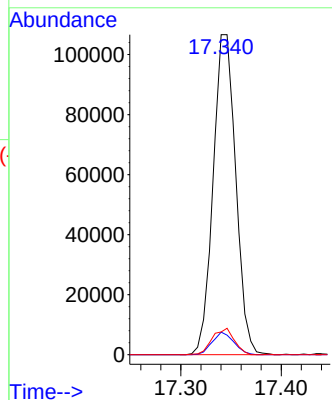
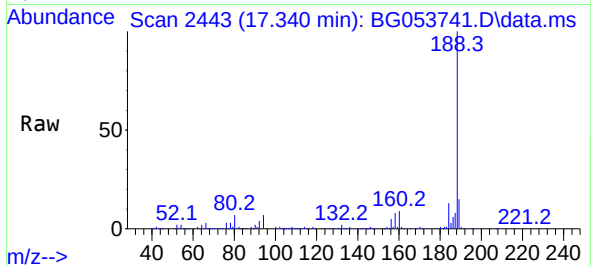
TP-01-COMP

Tgt Ion:188 Resp: 167074
Ion Ratio Lower Upper
188 100
94 7.0 5.4 8.0
80 7.1 6.8 10.2

Manual Integrations

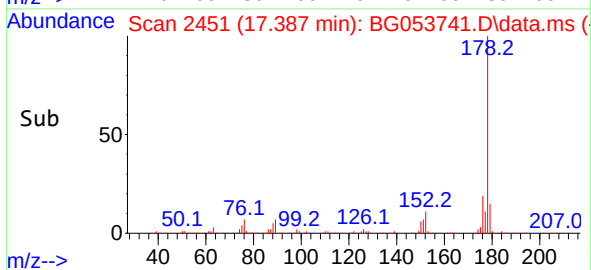
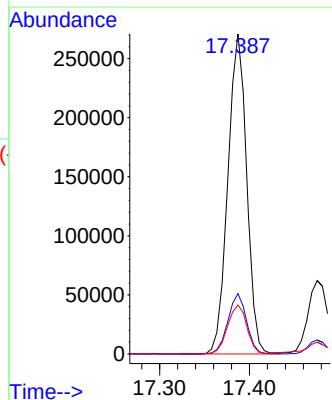
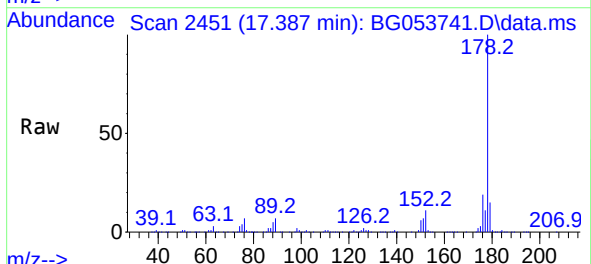
APPROVED

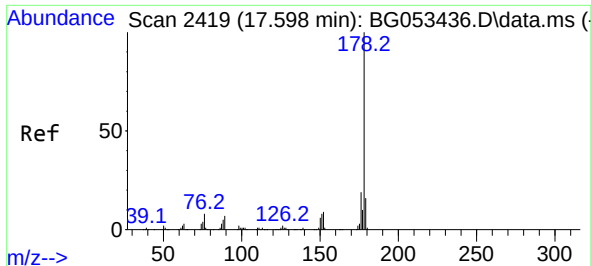
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#71
Phenanthrene
Concen: 46.386 ng
RT: 17.387 min Scan# 2451
Delta R.T. -0.027 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:178 Resp: 394069
Ion Ratio Lower Upper
178 100
176 18.9 14.1 21.1
179 15.3 12.1 18.1





#72
 Anthracene
 Concen: 11.160 ng
 RT: 17.475 min Scan# 2419
 Delta R.T. -0.027 min
 Lab File: BG053741.D
 Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

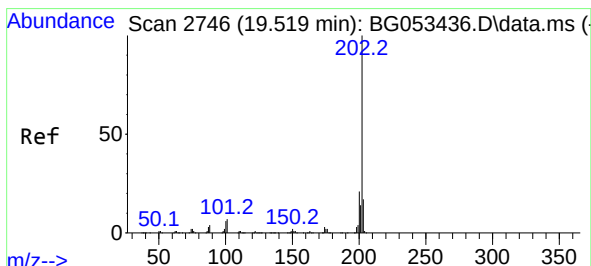
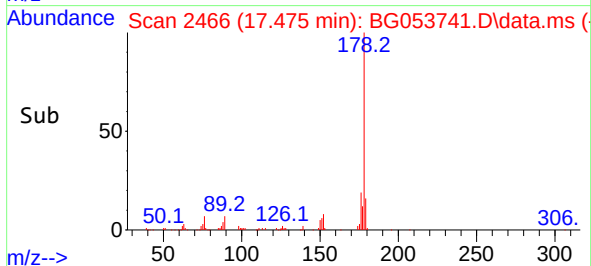
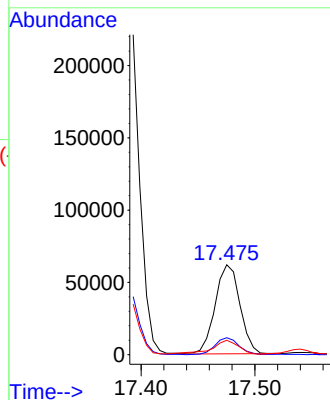
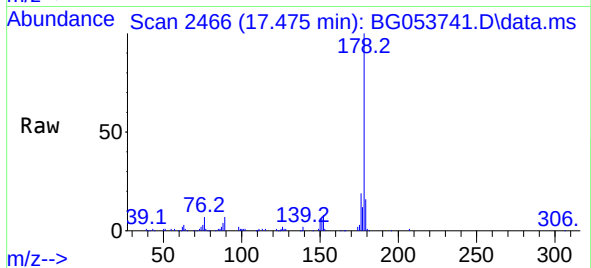
TP-01-COMP

Tgt Ion:178 Resp: 93189
 Ion Ratio Lower Upper
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 176 18.9 15.2 22.8
 179 16.1 13.0 19.4

Manual Integrations

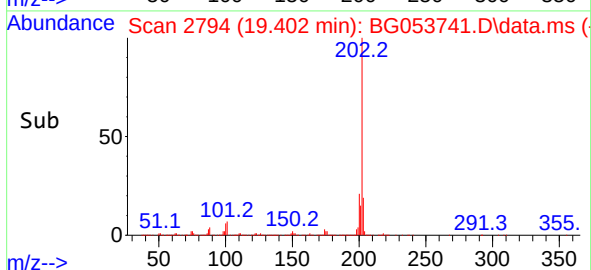
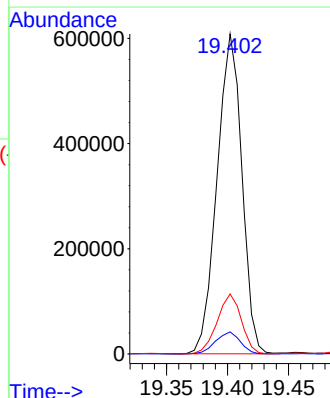
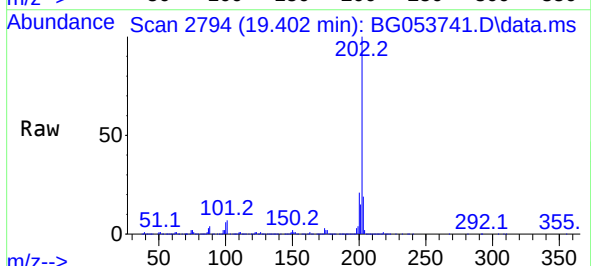
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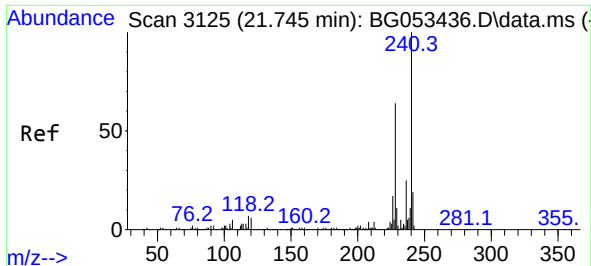
Reviewed By :Christian Giraldo 05/28/2022
 Supervised By :Jagrut Upadhyay 05/31/2022



#75
 Fluoranthene
 Concen: 78.383 ng
 RT: 19.402 min Scan# 2794
 Delta R.T. -0.022 min
 Lab File: BG053741.D
 Acq: 27 May 2022 20:13

Tgt Ion:202 Resp: 862213
 Ion Ratio Lower Upper
 202 100
 101 6.9 0.0 26.9
 203 18.8 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.605 min Scan# 3125
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

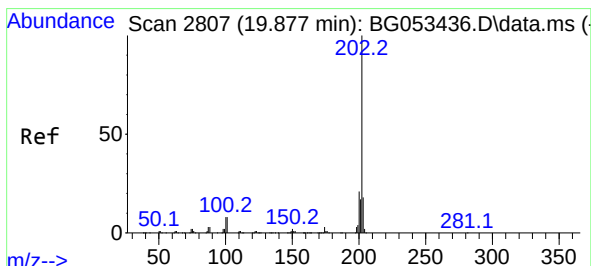
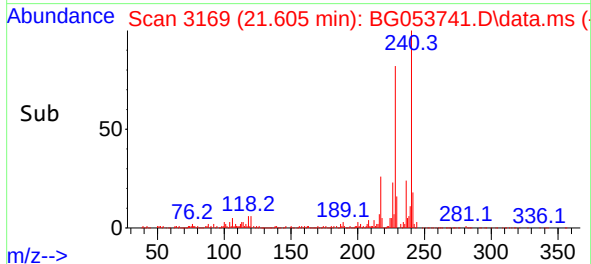
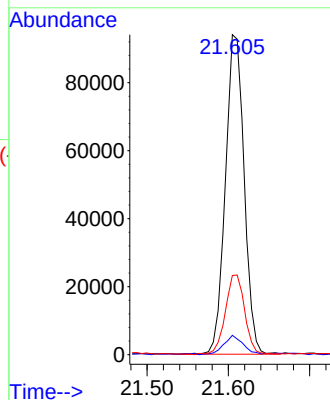
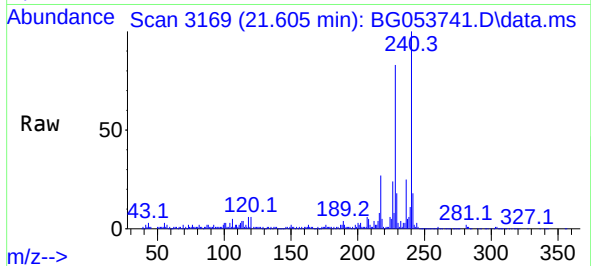
TP-01-COMP

Tgt Ion:240 Resp: 150834
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 24.8 20.2 30.4

Manual Integrations

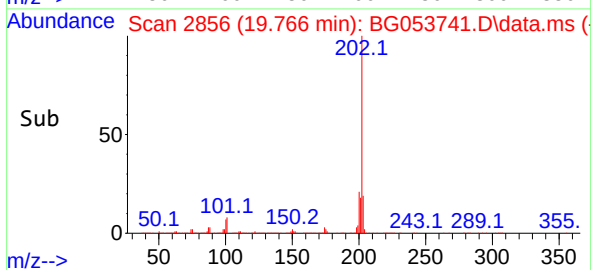
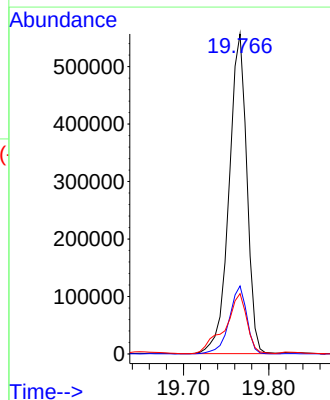
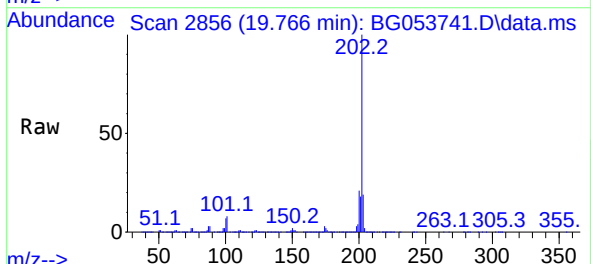
APPROVED

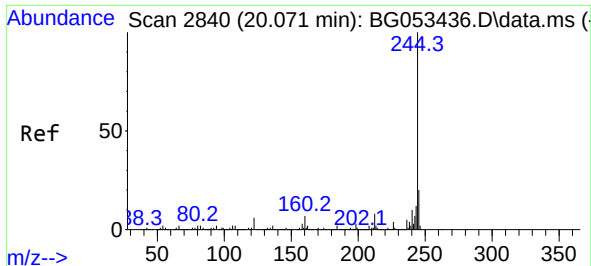
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#78
Pyrene
Concen: 82.569 ng
RT: 19.766 min Scan# 2856
Delta R.T. -0.022 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:202 Resp: 806220
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 18.9 14.6 21.8





#79
 Terphenyl-d14
 Concen: 57.346 ng
 RT: 19.954 min Scan# 21
 Delta R.T. -0.022 min
 Lab File: BG053741.D
 Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

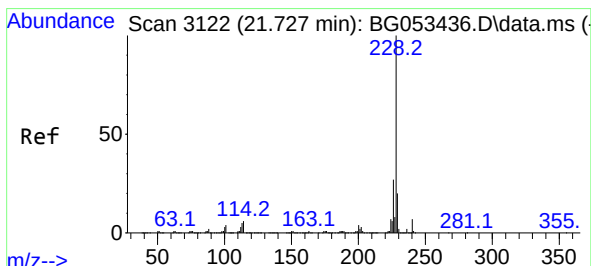
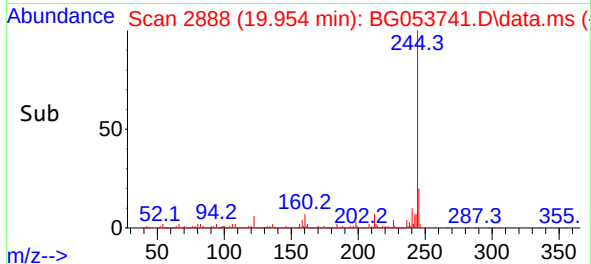
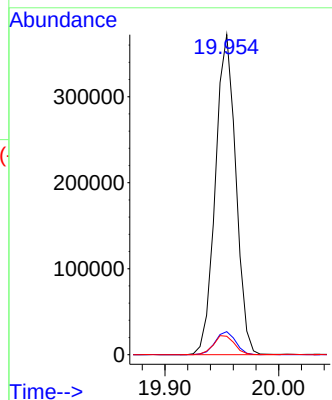
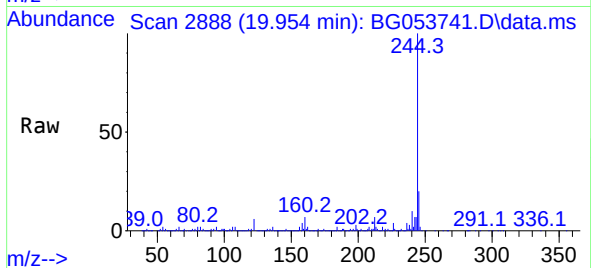
TP-01-COMP

Tgt Ion:244 Resp: 46442
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 5.8 5.0 7.4

Manual Integrations

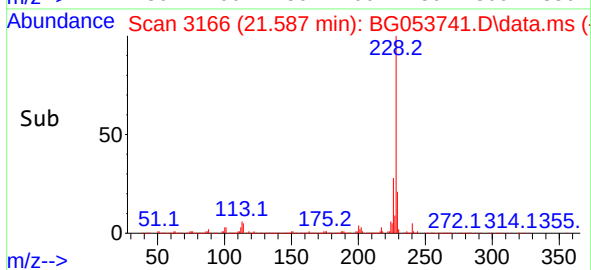
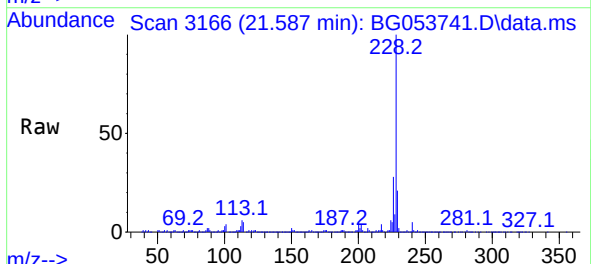
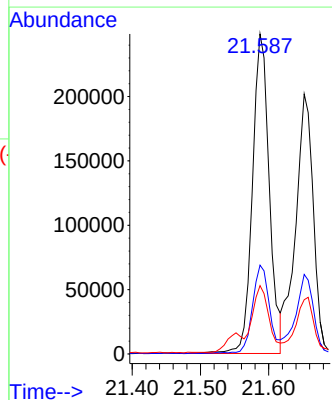
APPROVED

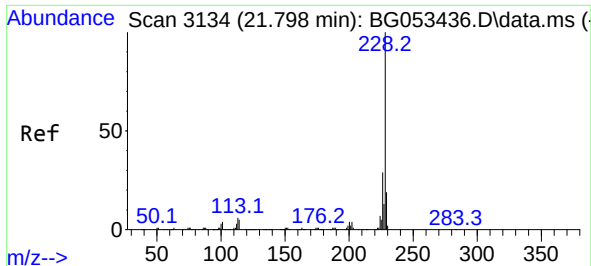
Reviewed By :Christian Giraldo 05/28/2022
 Supervised By :Jagrut Upadhyay 05/31/2022



#81
 Benzo(a)anthracene
 Concen: 44.048 ng
 RT: 21.587 min Scan# 3166
 Delta R.T. -0.027 min
 Lab File: BG053741.D
 Acq: 27 May 2022 20:13

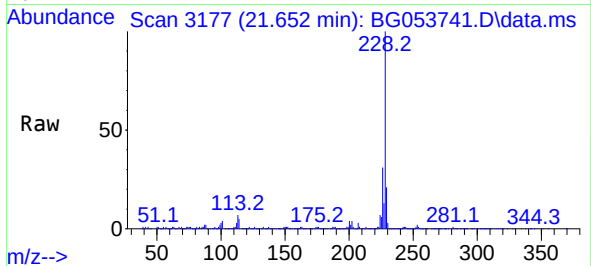
Tgt Ion:228 Resp: 423759
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 21.4 16.2 24.2





#83
Chrysene
Concen: 40.440 ng
RT: 21.652 min Scan# 31
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

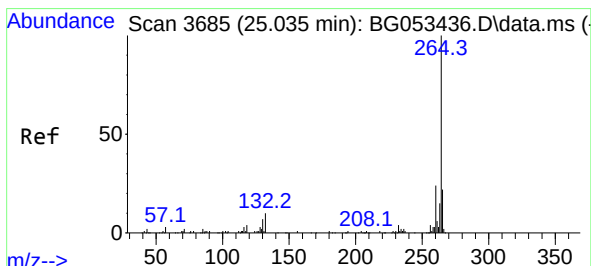
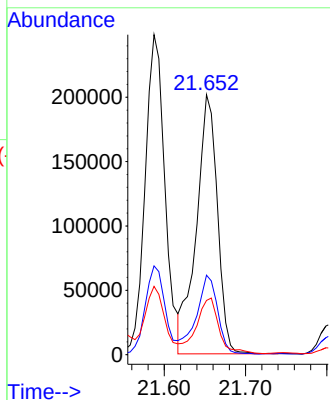
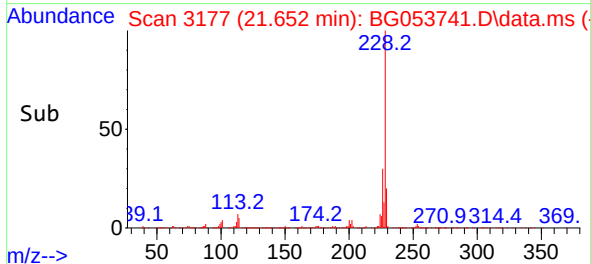
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP



Tgt Ion:228 Resp: 363358
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 20.9 15.5 23.3

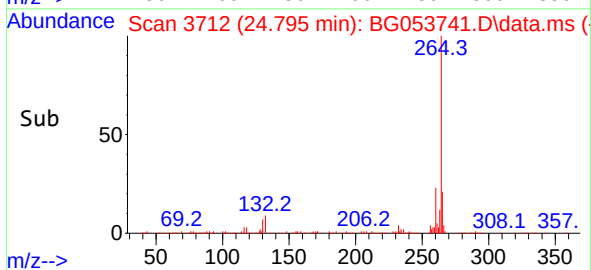
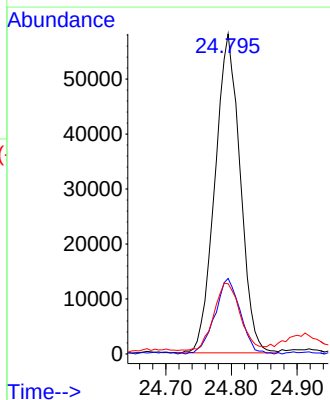
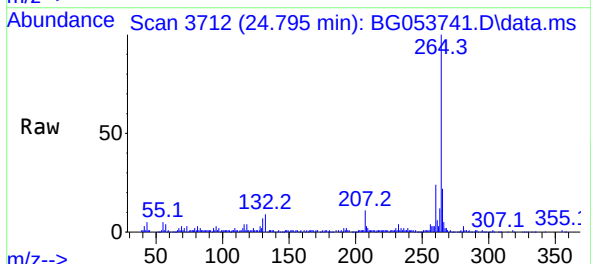
Manual Integrations
APPROVED

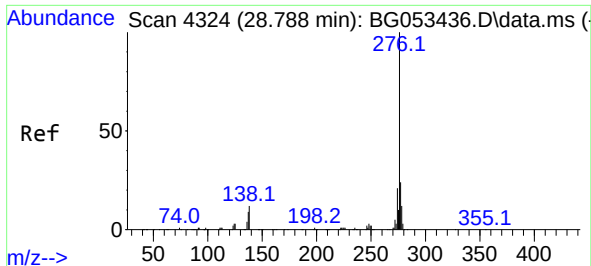
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.795 min Scan# 3712
Delta R.T. -0.045 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

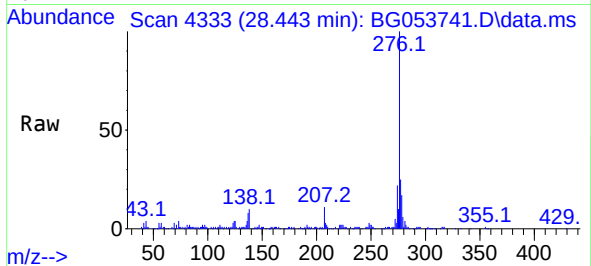
Tgt Ion:264 Resp: 154642
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 21.9 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 22.356 ng
RT: 28.443 min Scan# 41
Delta R.T. -0.069 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

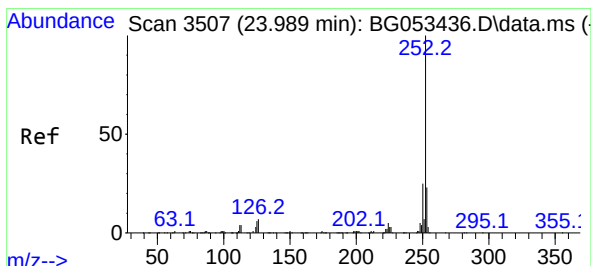
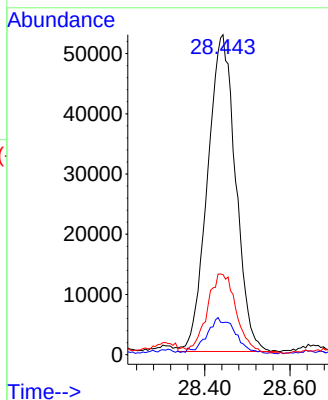
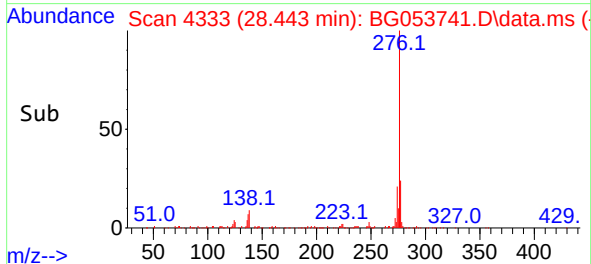
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP



Tgt Ion:276 Resp: 240780
Ion Ratio Lower Upper
276 100
138 11.3 5.0 7.4
277 25.8 20.3 30.5

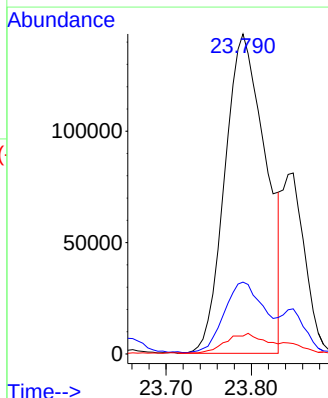
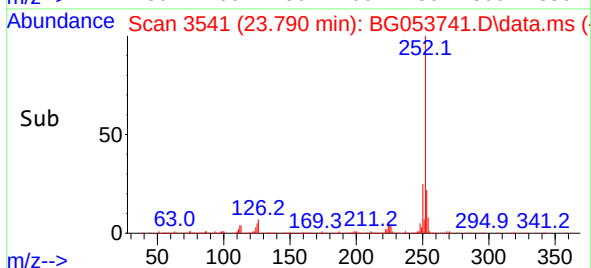
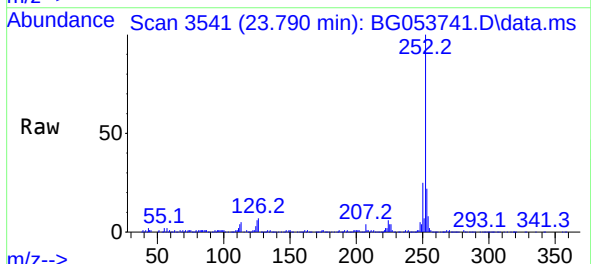
Manual Integrations
APPROVED

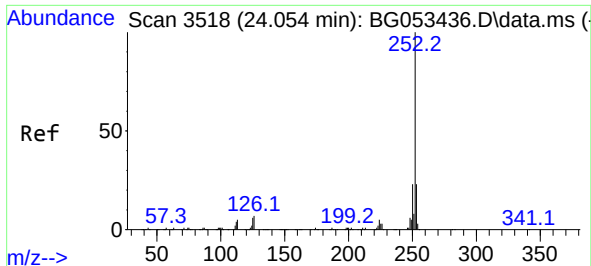
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#88
Benzo(b)fluoranthene
Concen: 52.161 ng
RT: 23.790 min Scan# 3541
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:252 Resp: 477460
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 5.6 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 16.356 ng m

RT: 23.849 min Scan# 3

Delta R.T. -0.039 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP

Tgt Ion:252 Resp: 147120

Ion Ratio Lower Upper

252 100

253 24.9 18.4 27.6

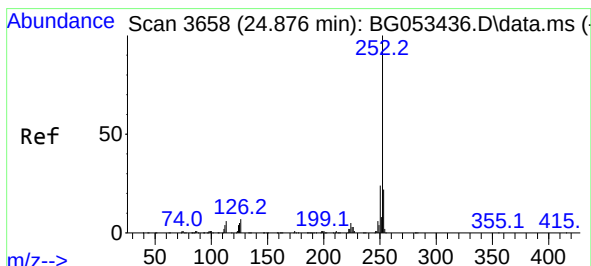
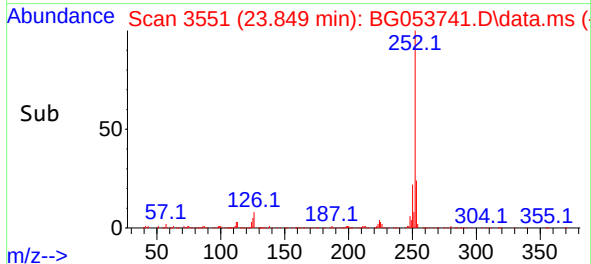
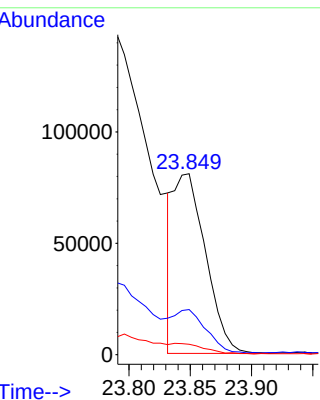
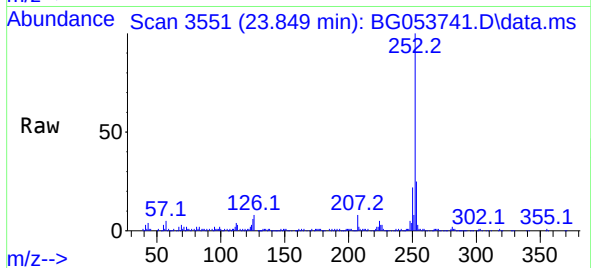
125 5.7 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/28/2022

Supervised By :Jagrut Upadhyay 05/31/2022



#90

Benzo(a)pyrene

Concen: 45.839 ng

RT: 24.648 min Scan# 3687

Delta R.T. -0.039 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

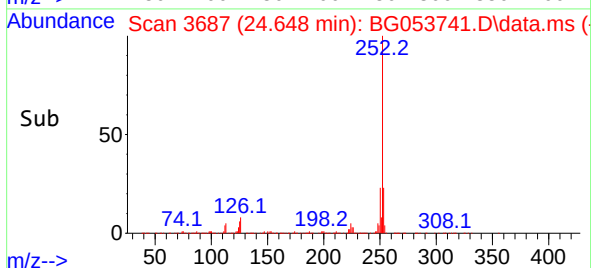
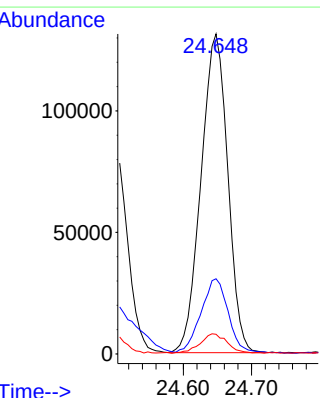
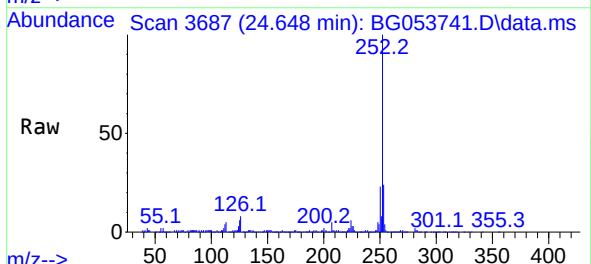
Tgt Ion:252 Resp: 357130

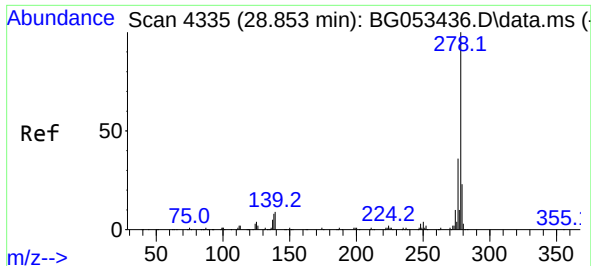
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 6.1 4.3 6.5





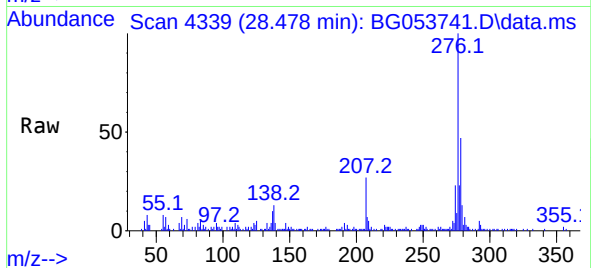
#91
Dibenzo(a,h)anthracene
Concen: 6.812 ng m
RT: 28.478 min Scan# 41
Delta R.T. -0.074 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP

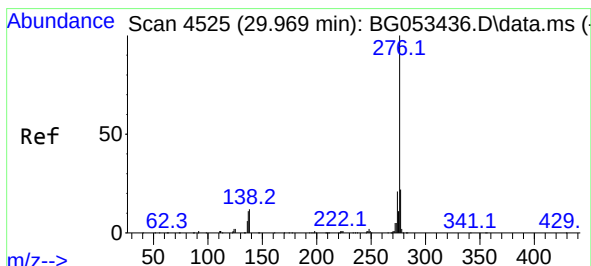
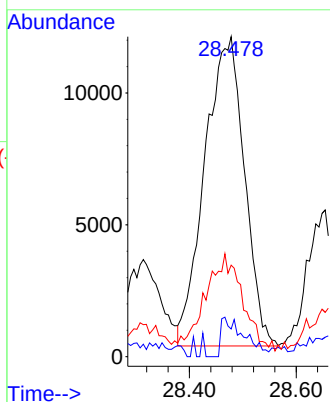
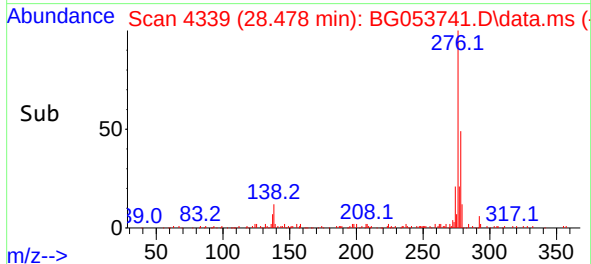


Tgt Ion:278 Resp: 6045
Ion Ratio Lower Upper
278 100
139 8.7 7.2 10.8
279 28.6 18.6 27.8

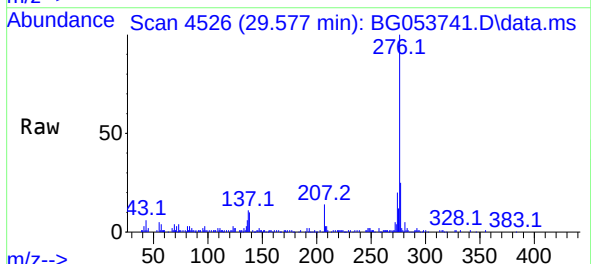
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#92
Benzo(g,h,i)perylene
Concen: 26.233 ng
RT: 29.577 min Scan# 4526
Delta R.T. -0.074 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13



Tgt Ion:276 Resp: 230773
Ion Ratio Lower Upper
276 100
277 24.8 17.3 25.9
138 10.3 9.6 14.4

