

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053744.D
 Acq On : 27 May 2022 22:13
 Operator : CG/JU
 Sample : N3000-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-02-COMP

Manual Integrations
 APPROVED

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

Quant Time: May 28 02:01:17 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	7.954	152	30616	20.000	ng	-0.03
21) Naphthalene-d8	10.762	136	122383	20.000	ng	-0.04
39) Acenaphthene-d10	14.598	164	83394	20.000	ng	-0.03
64) Phenanthrene-d10	17.341	188	174212	20.000	ng	-0.03
76) Chrysene-d12	21.606	240	154256	20.000	ng	-0.03
86) Perylene-d12	24.796	264	158137	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	159793	88.578	ng	-0.02
7) Phenol-d6	7.161	99	243962	89.108	ng	0.00
23) Nitrobenzene-d5	9.123	82	169863	59.083	ng	-0.03
42) 2,4,6-Tribromophenol	16.096	330	100679	81.855	ng	-0.02
45) 2-Fluorobiphenyl	13.217	172	371537	65.103	ng	-0.03
79) Terphenyl-d14	19.955	244	520377	62.830	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.388	178	36528	4.124	ng	98
75) Fluoranthene	19.397	202	134318	11.710	ng	98
78) Pyrene	19.761	202	138014	13.821	ng	97
81) Benzo(a)anthracene	21.588	228	111350	11.318	ng	98
83) Chrysene	21.653	228	105877	11.522	ng	96
87) Indeno(1,2,3-cd)pyrene	28.438	276	90574	8.224	ng	# 95
88) Benzo(b)fluoranthene	23.785	252	187111	19.990	ng	100
89) Benzo(k)fluoranthene	23.844	252	60138m	6.538	ng	
90) Benzo(a)pyrene	24.643	252	102973	12.925	ng	# 98
91) Dibenzo(a,h)anthracene	28.473	278	23126	2.548	ng	# 85
92) Benzo(g,h,i)perylene	29.572	276	80103	8.904	ng	97

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

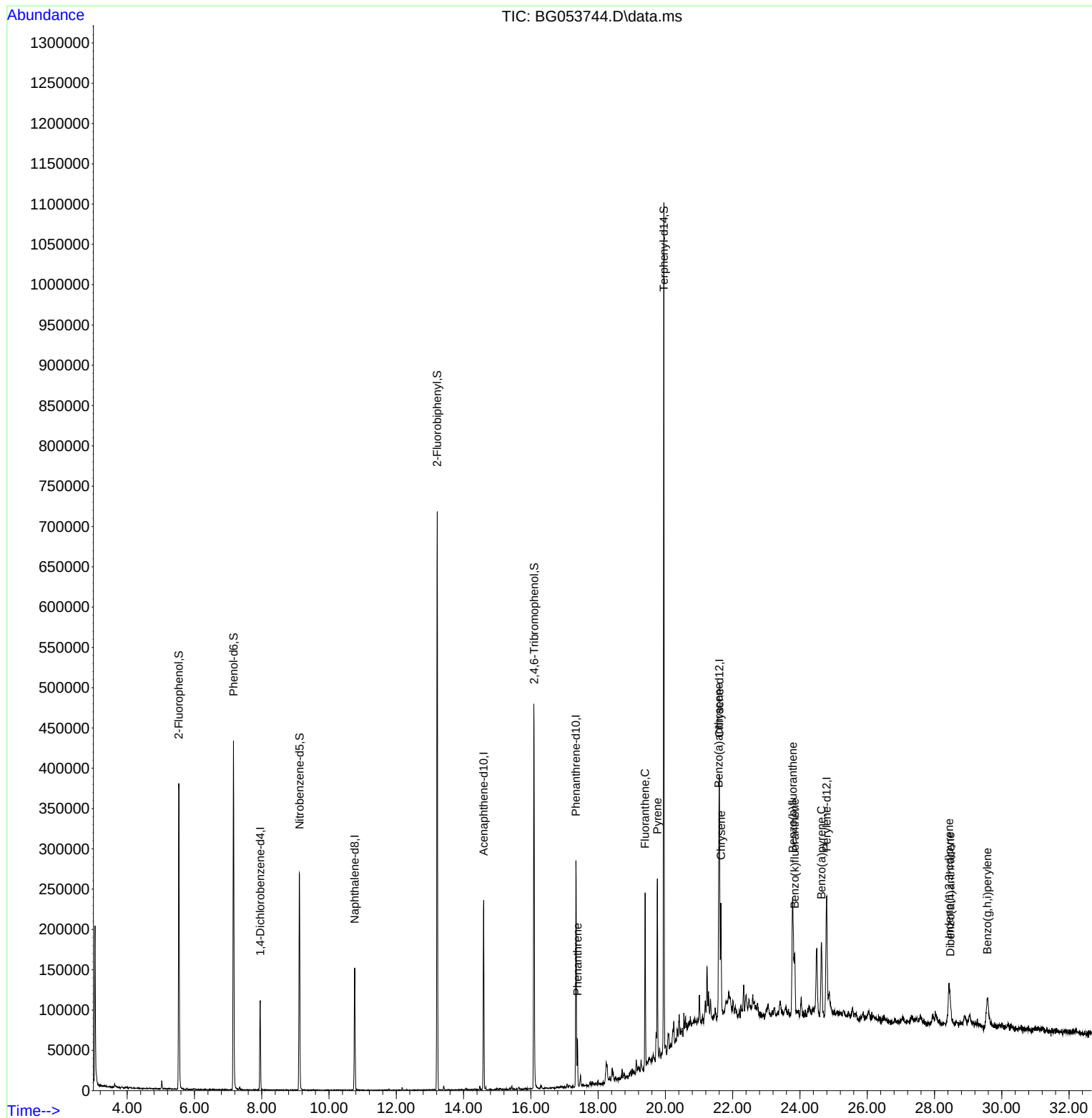
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
Data File : BG053744.D
Acq On : 27 May 2022 22:13
Operator : CG/JU
Sample : N3000-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

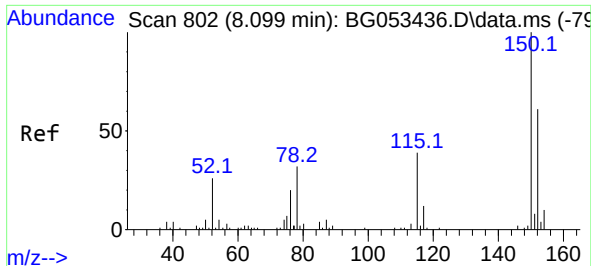
Instrument :
BNA_G
ClientSampleId :
TP-02-COMP

Quant Time: May 28 02:01:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
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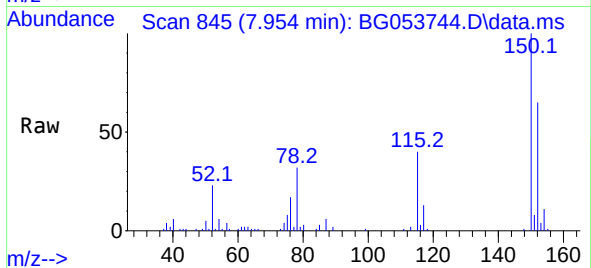
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.954 min Scan# 84
Delta R.T. -0.032 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

TP-02-COMP

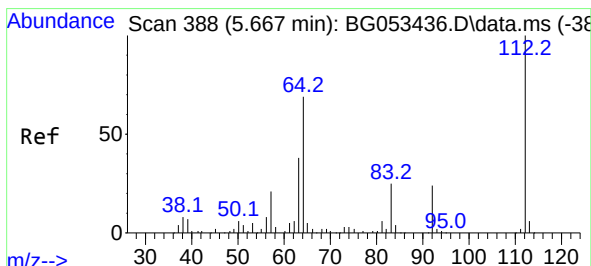
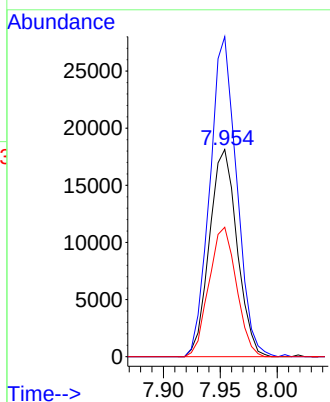
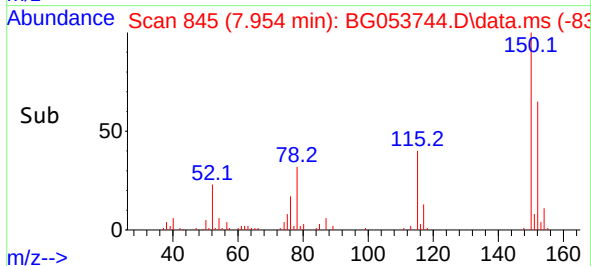


Tgt Ion:152 Resp: 30610
Ion Ratio Lower Upper
152 100
150 154.5 131.6 197.4
115 62.5 50.9 76.3

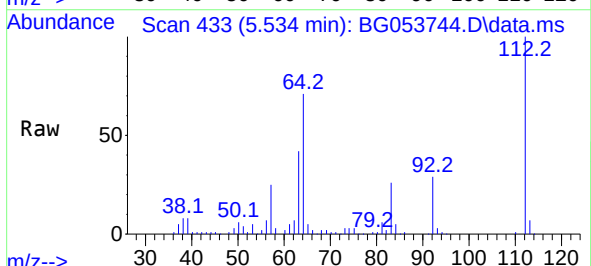
Manual Integrations

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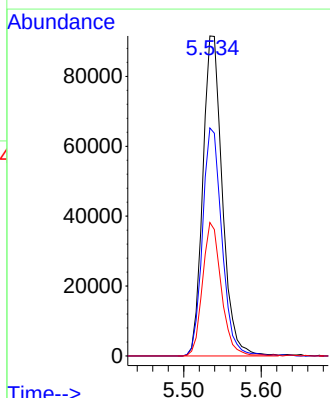
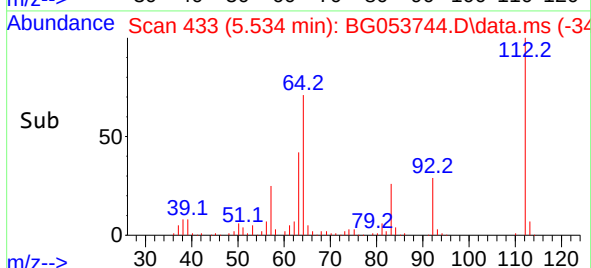
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

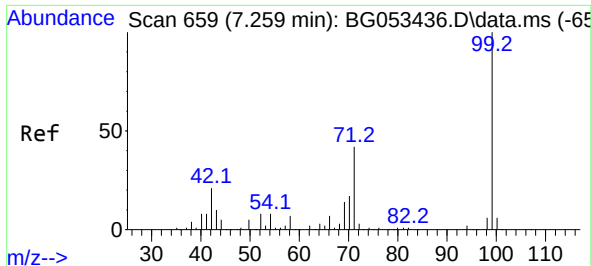


#5
2-Fluorophenol
Concen: 88.578 ng
RT: 5.534 min Scan# 433
Delta R.T. -0.021 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13



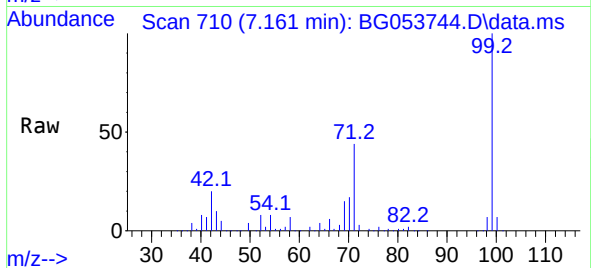
Tgt Ion:112 Resp: 159793
Ion Ratio Lower Upper
112 100
64 71.3 55.1 82.7
63 41.7 30.4 45.6





#7
Phenol-d6
Concen: 89.108 ng
RT: 7.161 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

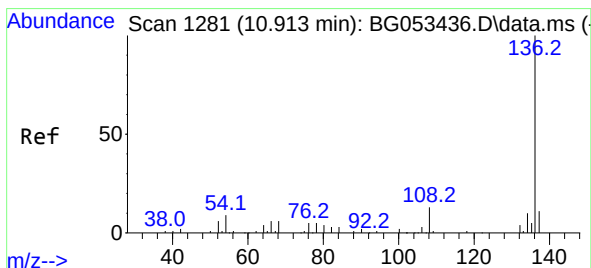
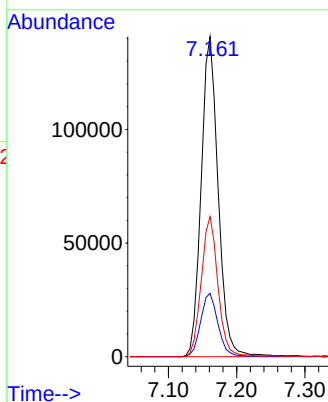
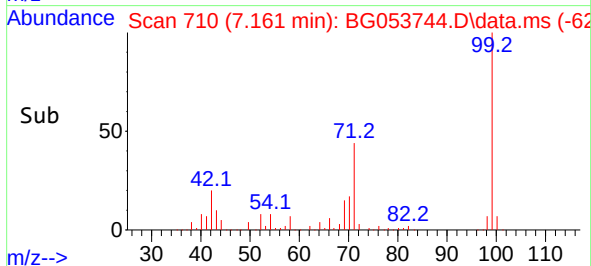
Instrument :
BNA_G
ClientSampleId :
TP-02-COMP



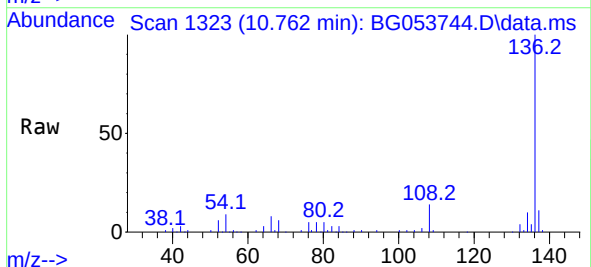
Tgt Ion: 99 Resp: 243962
Ion Ratio Lower Upper
99 100
42 19.8 17.0 25.6
71 43.8 33.8 50.8

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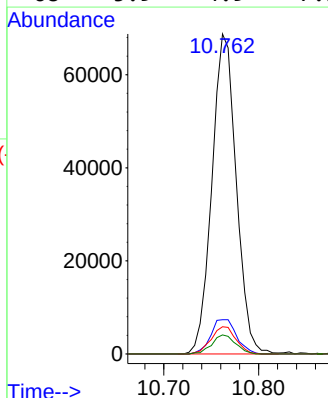
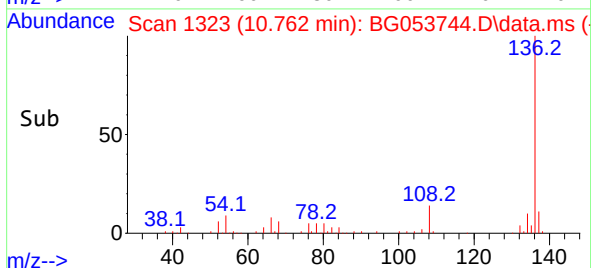
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

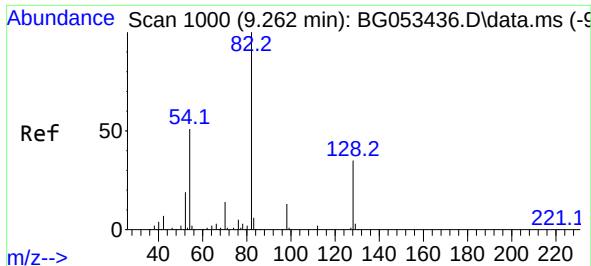


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1323
Delta R.T. -0.038 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13



Tgt Ion:136 Resp: 122383
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 8.5 7.4 11.2
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 59.083 ng

RT: 9.123 min Scan# 10

Delta R.T. -0.032 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

TP-02-COMP

Tgt Ion: 82 Resp: 16986

Ion Ratio Lower Upper

82 100

128 36.4 27.9 41.9

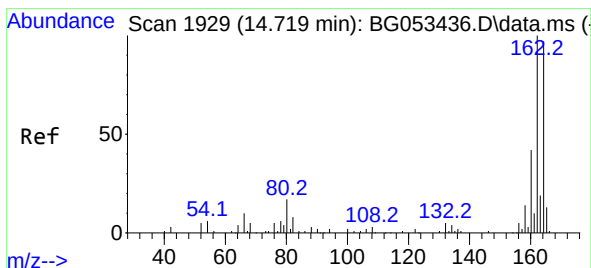
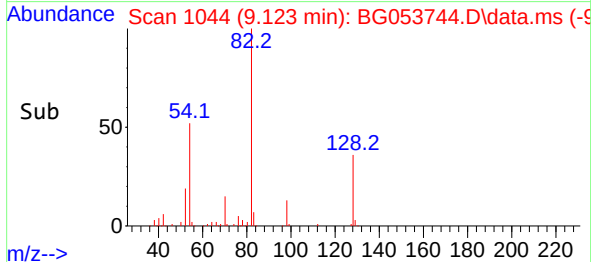
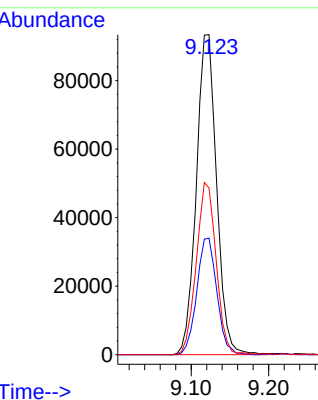
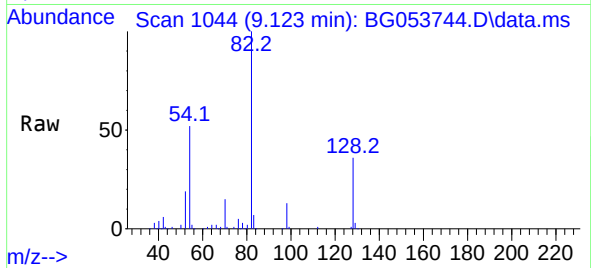
54 52.1 41.2 61.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/28/2022

Supervised By :Jagrut Upadhyay 05/31/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.598 min Scan# 1976

Delta R.T. -0.026 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

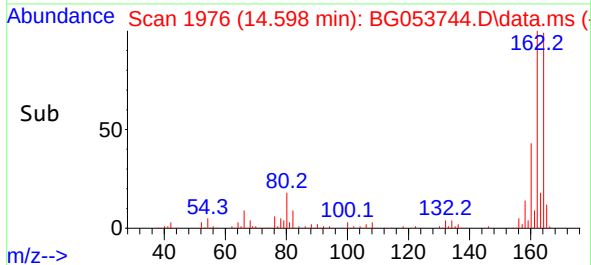
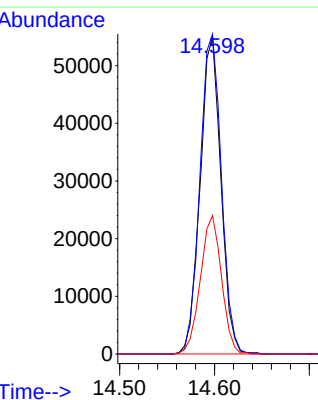
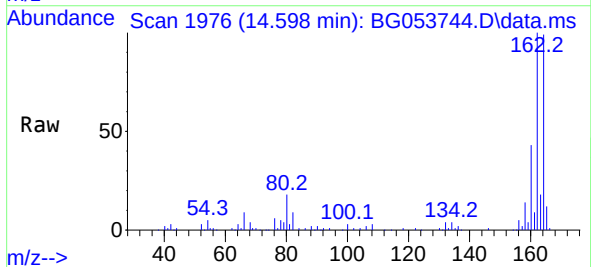
Tgt Ion:164 Resp: 83394

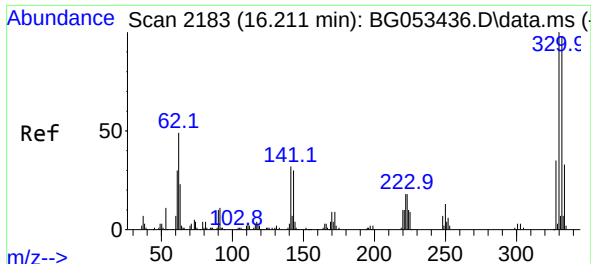
Ion Ratio Lower Upper

164 100

162 100.8 82.3 123.5

160 43.6 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 81.855 ng
RT: 16.096 min Scan# 2183
Delta R.T. -0.021 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

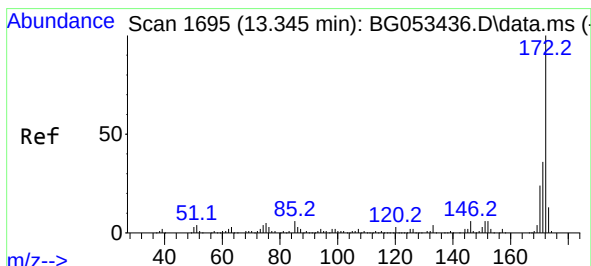
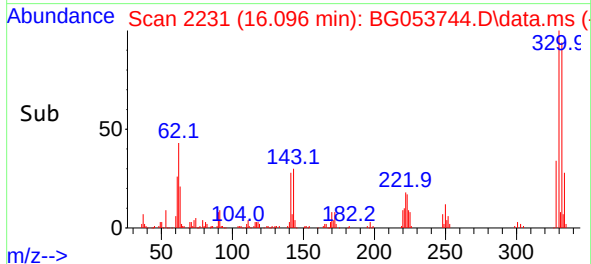
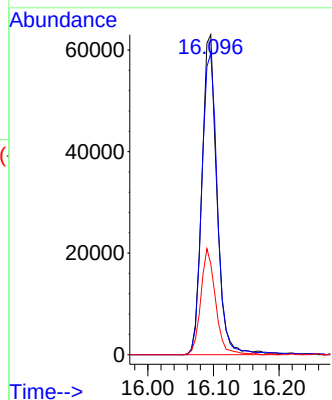
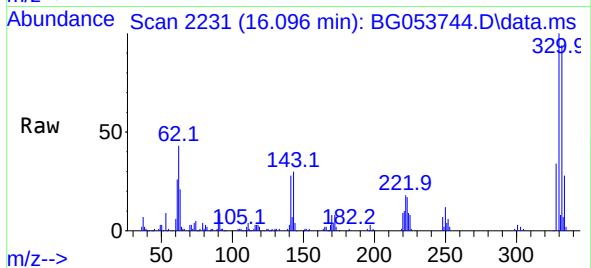
TP-02-COMP

Tgt Ion:330 Resp: 100679
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 32.4 27.1 40.7

Manual Integrations

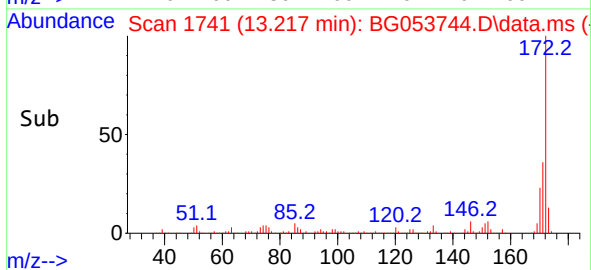
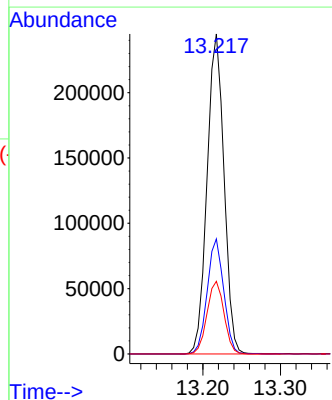
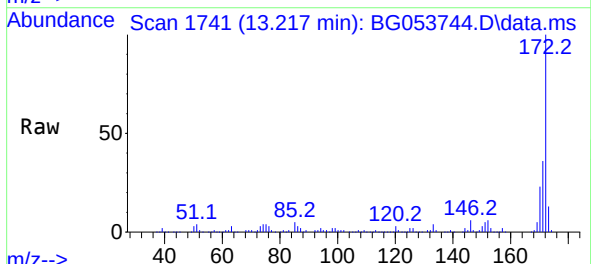
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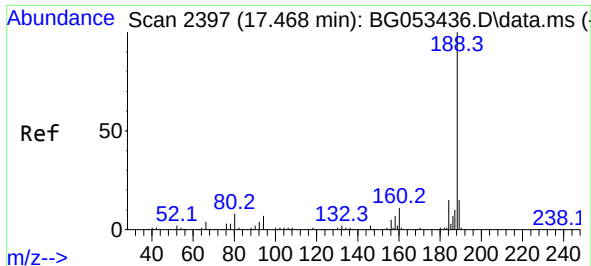
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#45
2-Fluorobiphenyl
Concen: 65.103 ng
RT: 13.217 min Scan# 1741
Delta R.T. -0.026 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:172 Resp: 371537
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 22.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2443
Delta R.T. -0.032 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

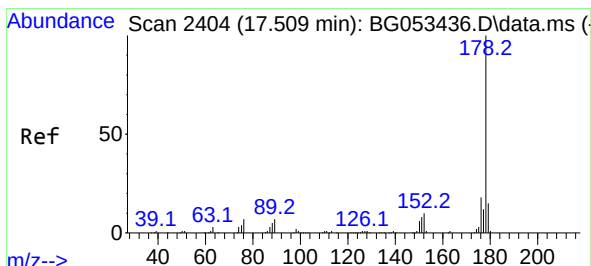
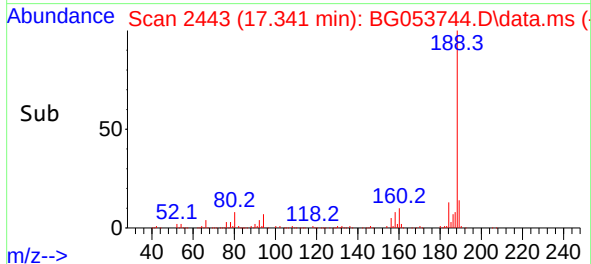
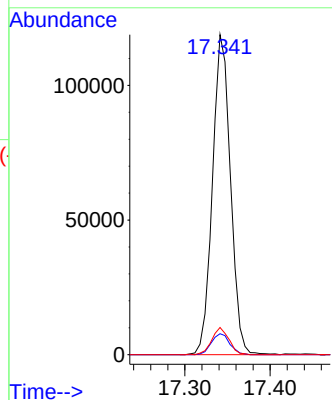
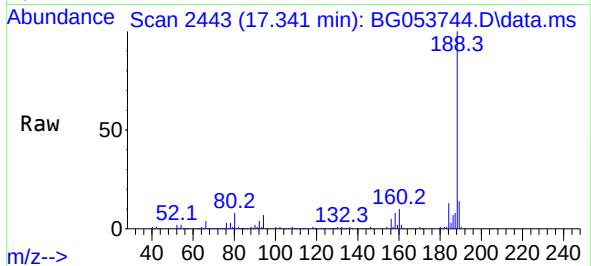
TP-02-COMP

Tgt Ion:188 Resp: 17421
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.0
80 8.5 6.8 10.2

Manual Integrations

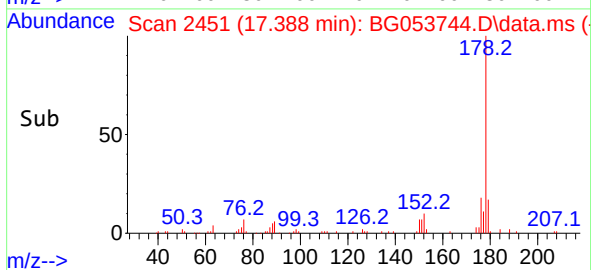
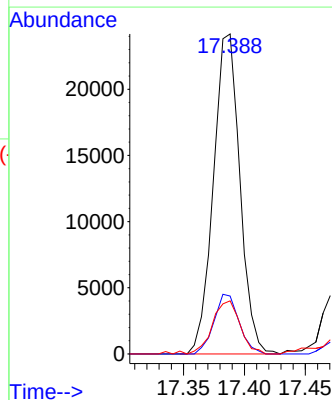
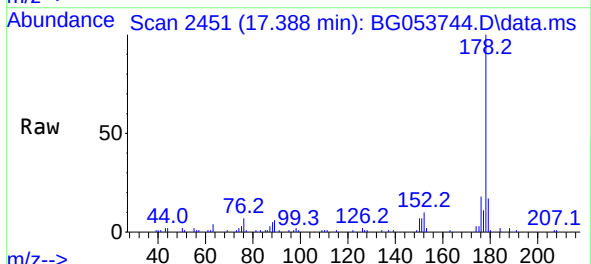
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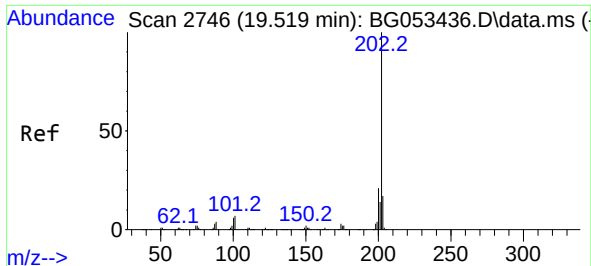
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#71
Phenanthrene
Concen: 4.124 ng
RT: 17.388 min Scan# 2451
Delta R.T. -0.026 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:178 Resp: 36528
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 16.6 12.1 18.1





#75
Fluoranthene
Concen: 11.710 ng
RT: 19.397 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

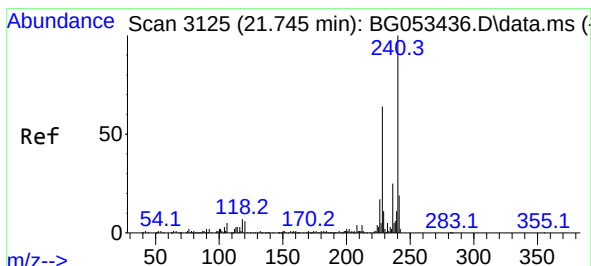
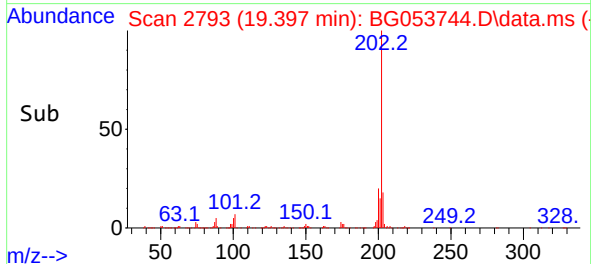
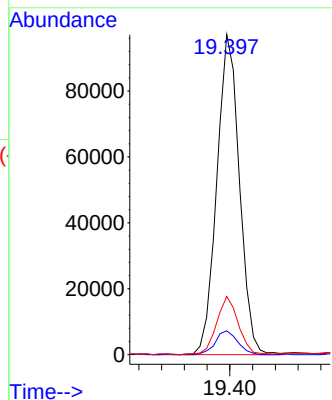
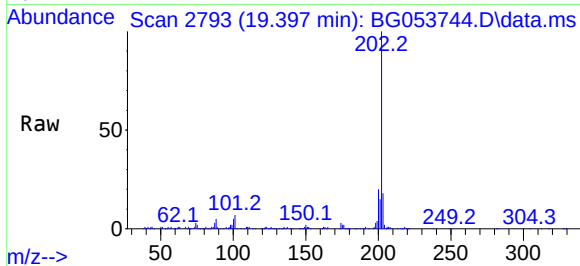
TP-02-COMP

Tgt Ion:202 Resp: 134318
Ion Ratio Lower Upper
202 100
101 7.5 0.0 26.9
203 18.2 0.0 37.2

Manual Integrations

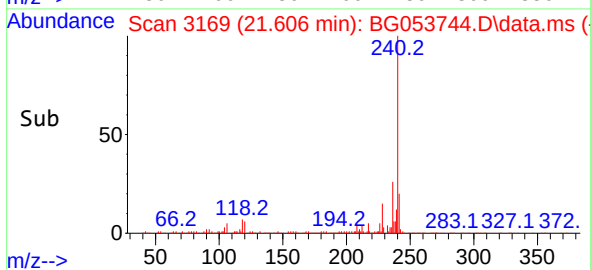
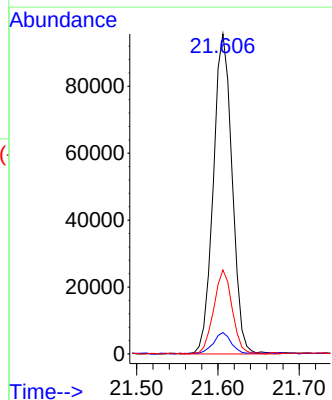
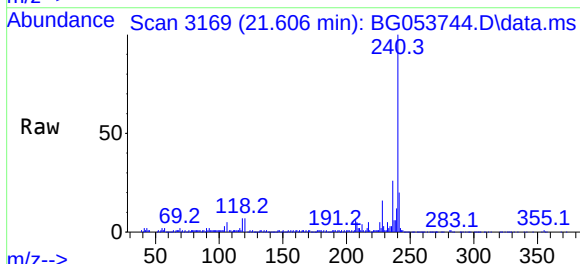
APPROVED

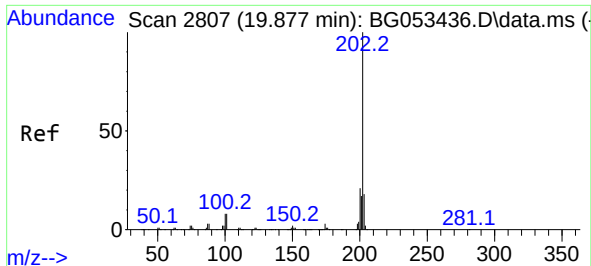
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.606 min Scan# 3169
Delta R.T. -0.032 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:240 Resp: 154256
Ion Ratio Lower Upper
240 100
120 6.7 4.6 7.0
236 26.3 20.2 30.4





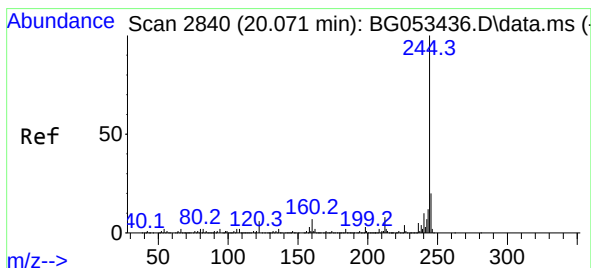
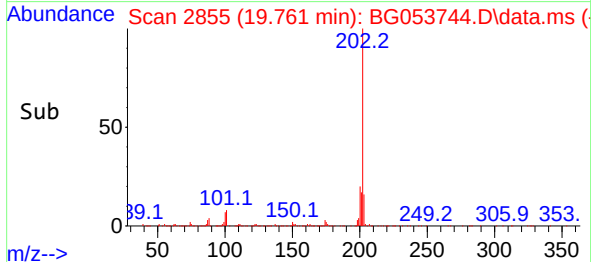
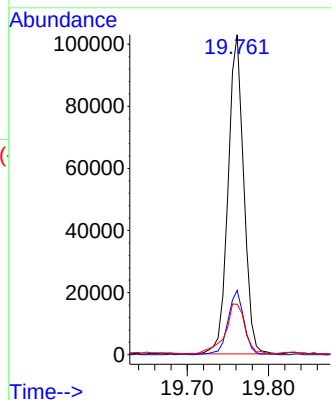
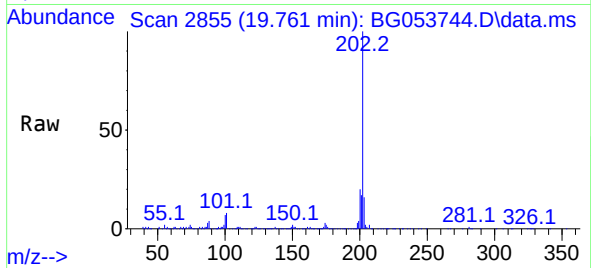
#78
Pyrene
Concen: 13.821 ng
RT: 19.761 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Instrument :
BNA_G
ClientSampleId :
TP-02-COMP

Tgt Ion:202 Resp: 138014
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 15.7 14.6 21.8

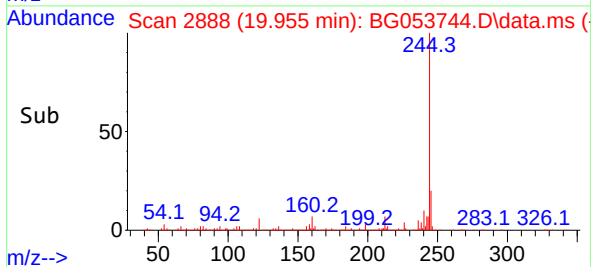
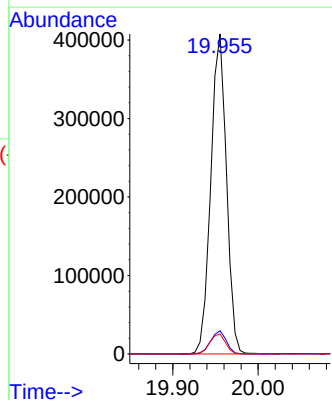
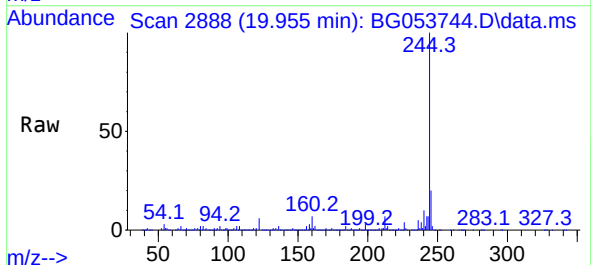
Manual Integrations
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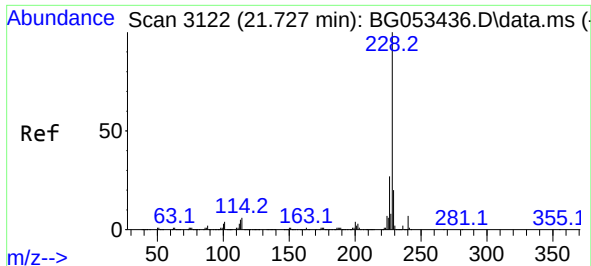
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#79
Terphenyl-d14
Concen: 62.830 ng
RT: 19.955 min Scan# 2888
Delta R.T. -0.021 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:244 Resp: 520377
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 6.3 5.0 7.4





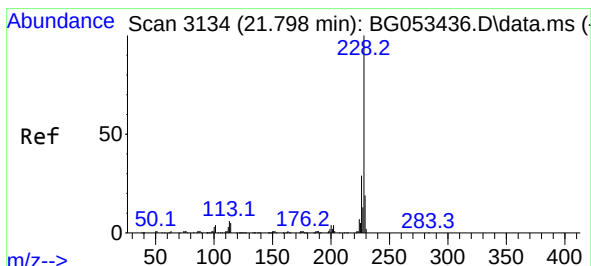
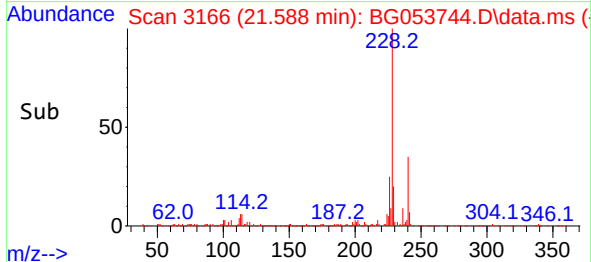
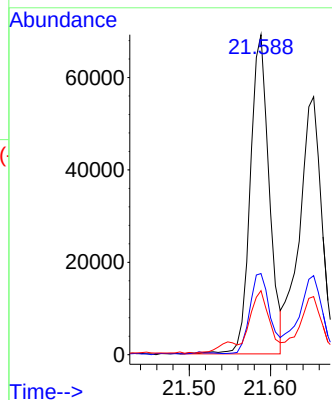
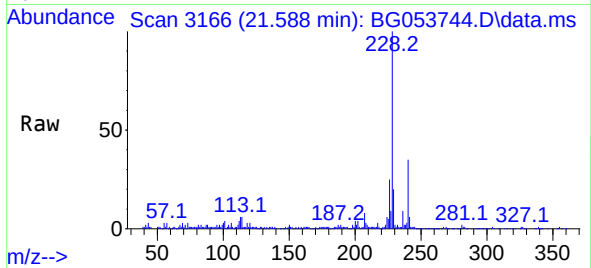
#81
Benzo(a)anthracene
Concen: 11.318 ng
RT: 21.588 min Scan# 3116
Delta R.T. -0.026 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Instrument :
BNA_G
ClientSampleId :
TP-02-COMP

Tgt Ion:228 Resp: 111350
Ion Ratio Lower Upper
228 100
226 25.4 21.6 32.4
229 20.0 16.2 24.2

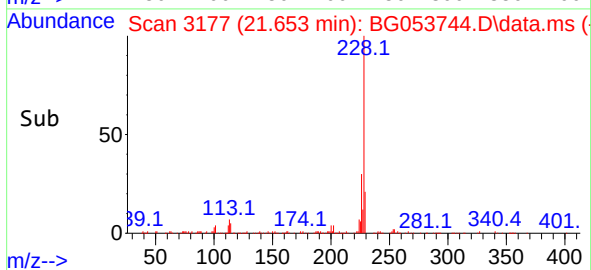
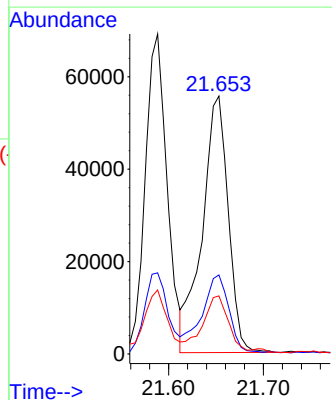
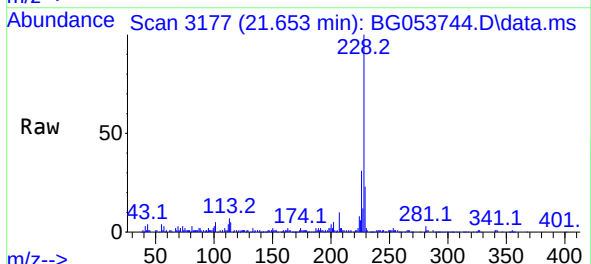
Manual Integrations
APPROVED

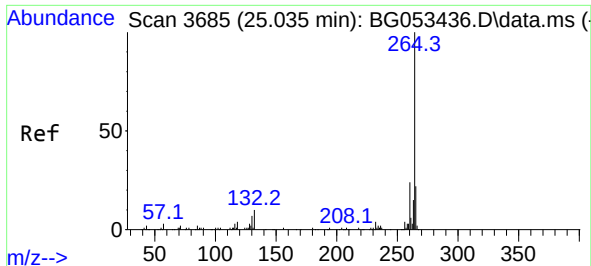
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#83
Chrysene
Concen: 11.522 ng
RT: 21.653 min Scan# 3177
Delta R.T. -0.032 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:228 Resp: 105877
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 22.5 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.796 min Scan# 31
Delta R.T. -0.044 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

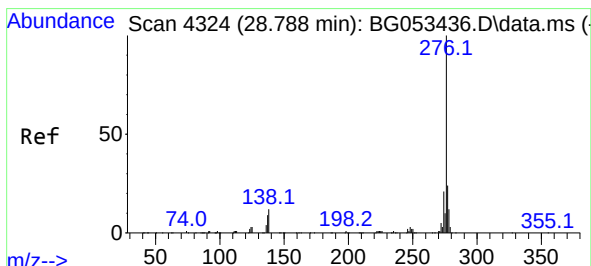
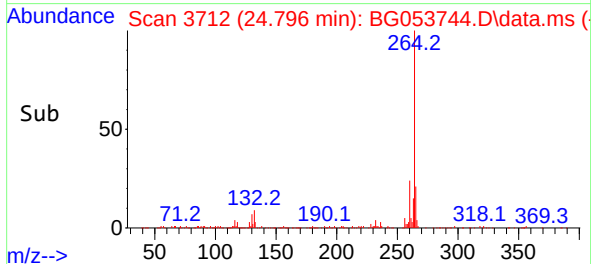
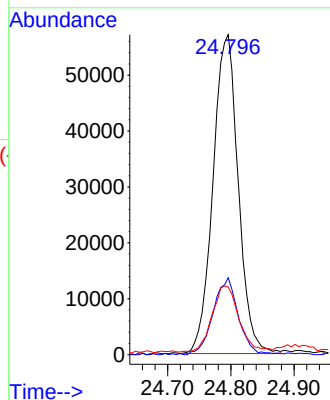
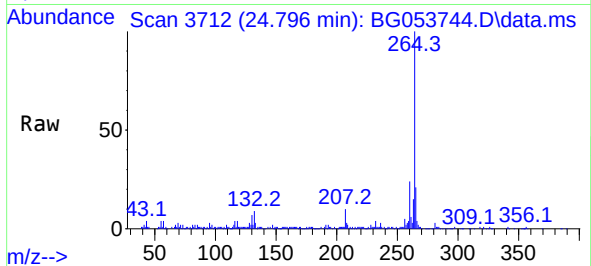
TP-02-COMP

Tgt Ion:264 Resp: 15813
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 21.1 17.4 26.2

Manual Integrations

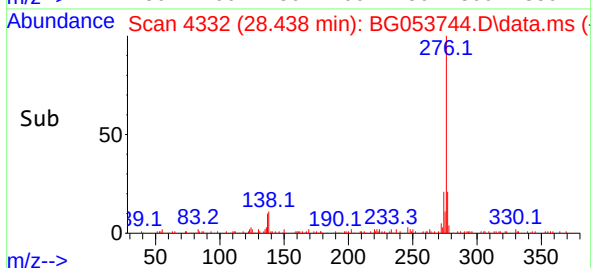
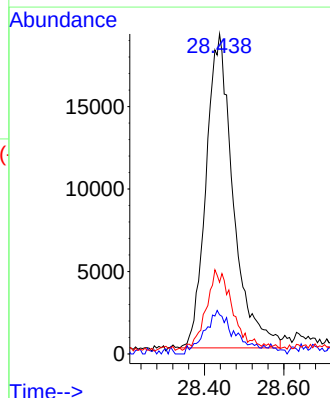
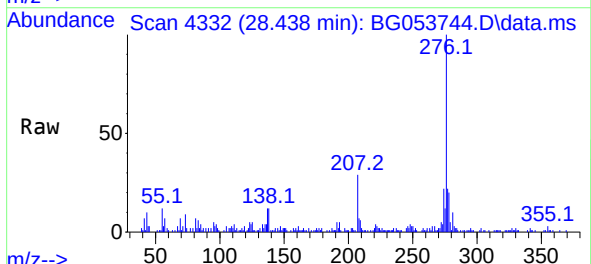
APPROVED

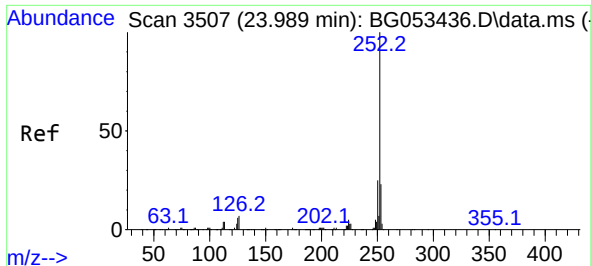
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.224 ng
RT: 28.438 min Scan# 4332
Delta R.T. -0.073 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:276 Resp: 90574
Ion Ratio Lower Upper
276 100
138 11.2 5.0 7.4#
277 24.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 19.990 ng
RT: 23.785 min Scan# 31
Delta R.T. -0.038 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

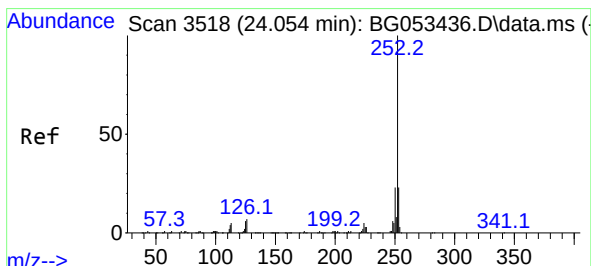
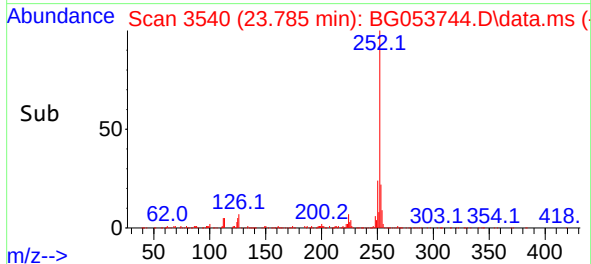
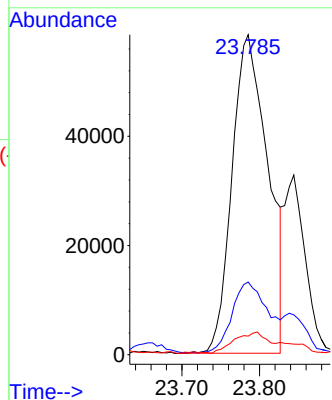
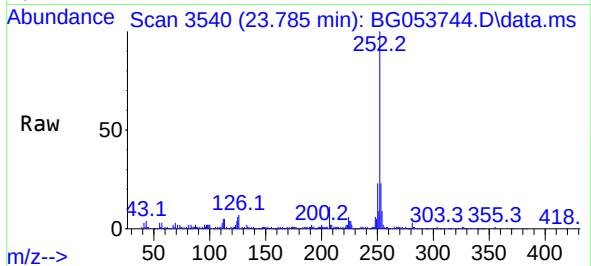
TP-02-COMP

Tgt Ion:252 Resp: 18711
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 5.8 4.6 6.8

Manual Integrations

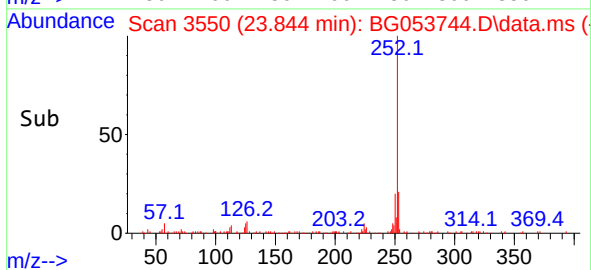
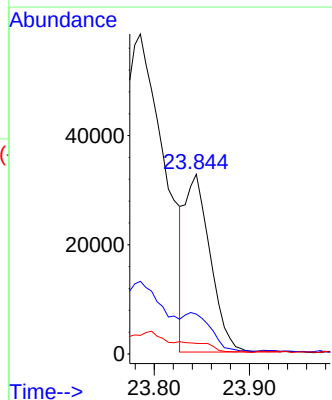
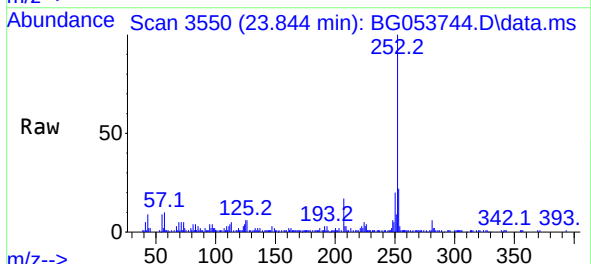
APPROVED

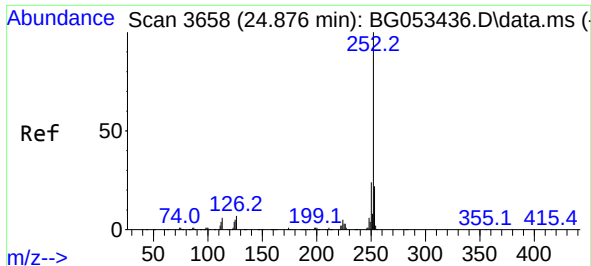
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#89
Benzo(k)fluoranthene
Concen: 6.538 ng m
RT: 23.844 min Scan# 3550
Delta R.T. -0.044 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

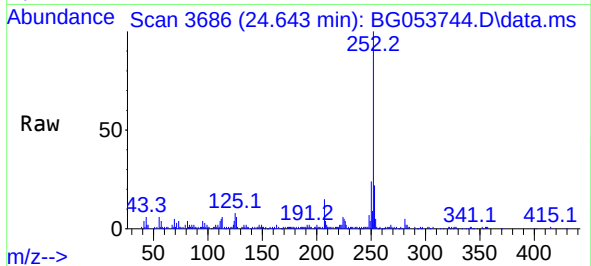
Tgt Ion:252 Resp: 60138
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 5.9 4.8 7.2





#90
Benzo(a)pyrene
Concen: 12.925 ng
RT: 24.643 min Scan# 3686
Delta R.T. -0.044 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

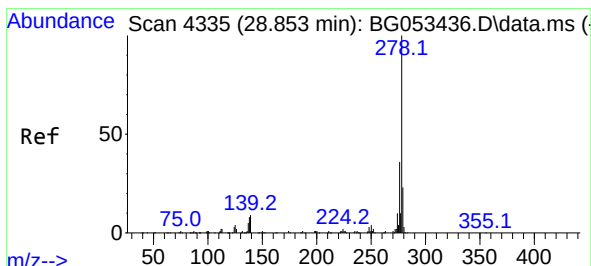
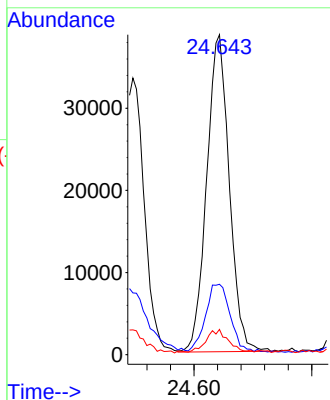
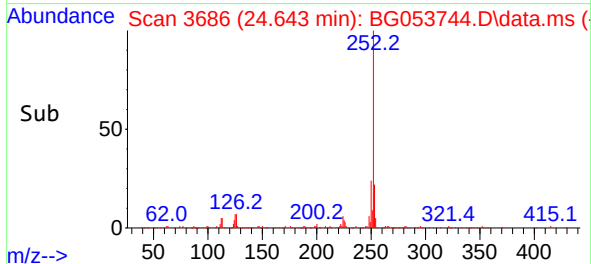
Instrument :
BNA_G
ClientSampleId :
TP-02-COMP



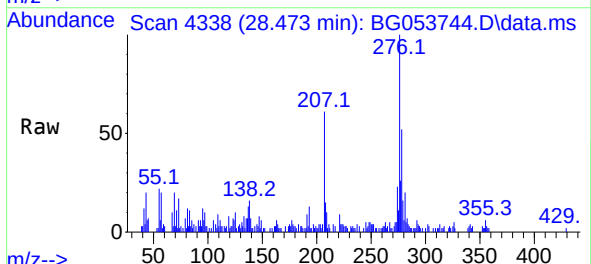
Tgt Ion:252 Resp: 10297
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 7.9 4.3 6.5

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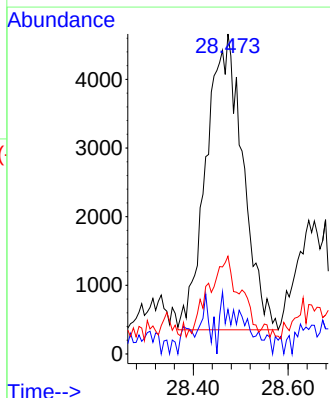
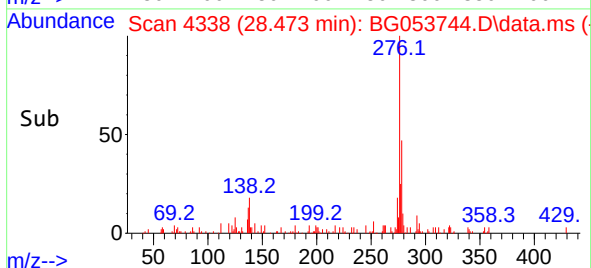
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

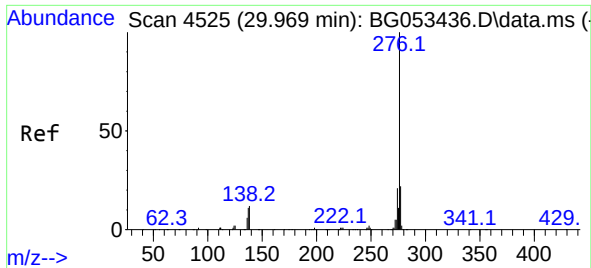


#91
Dibenzo(a,h)anthracene
Concen: 2.548 ng
RT: 28.473 min Scan# 4338
Delta R.T. -0.079 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13



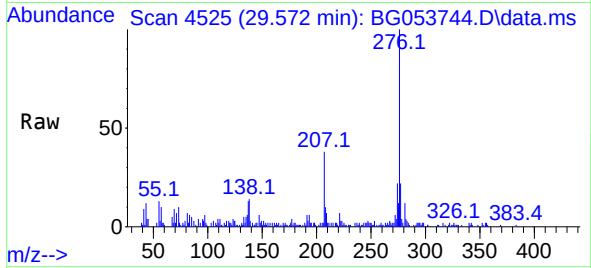
Tgt Ion:278 Resp: 23126
Ion Ratio Lower Upper
278 100
139 13.9 7.2 10.8#
279 30.6 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 8.904 ng
 RT: 29.572 min Scan# 41
 Delta R.T. -0.079 min
 Lab File: BG053744.D
 Acq: 27 May 2022 22:13

Instrument :
 BNA_G
 ClientSampleId :
 TP-02-COMP



Tgt Ion: 276 Resp: 8010

Ion	Ratio	Lower	Upper
276	100		
277	22.0	17.3	25.9
138	14.1	9.6	14.4

Manual Integrations
 APPROVED

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

