

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054438.D
 Acq On : 28 Jul 2022 19:16
 Operator : CG/JU
 Sample : N3893-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-10

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/29/2022
 Supervised By : Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 04:09:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	19083	20.000	ng	0.00
21) Naphthalene-d8	10.798	136	74107	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	54679	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	130481	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	145354	20.000	ng	# 0.00
86) Perylene-d12	24.846	264	143553	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	98250	107.496	ng	0.00
7) Phenol-d6	7.178	99	132731	105.982	ng	0.00
23) Nitrobenzene-d5	9.152	82	88686	65.170	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	113018	98.443	ng	0.00
45) 2-Fluorobiphenyl	13.242	172	270096	69.684	ng	0.00
79) Terphenyl-d14	19.981	244	511465	69.805	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.346	152	24505	5.268	ng	99
71) Phenanthrene	17.413	178	62736	9.655	ng	98
75) Fluoranthene	19.423	202	115445	13.033	ng	94
78) Pyrene	19.787	202	209253	25.089	ng	98
81) Benzo(a)anthracene	21.614	228	107807	11.684	ng	# 92
83) Chrysene	21.679	228	127000	14.569	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.506	276	44331	4.059	ng	# 96
88) Benzo(b)fluoranthene	23.829	252	114026m	13.431	ng	
89) Benzo(k)fluoranthene	23.882	252	28520m	3.376	ng	
90) Benzo(a)pyrene	24.693	252	94631	13.052	ng	97
92) Benzo(g,h,i)perylene	29.664	276	57684	6.508	ng	95

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

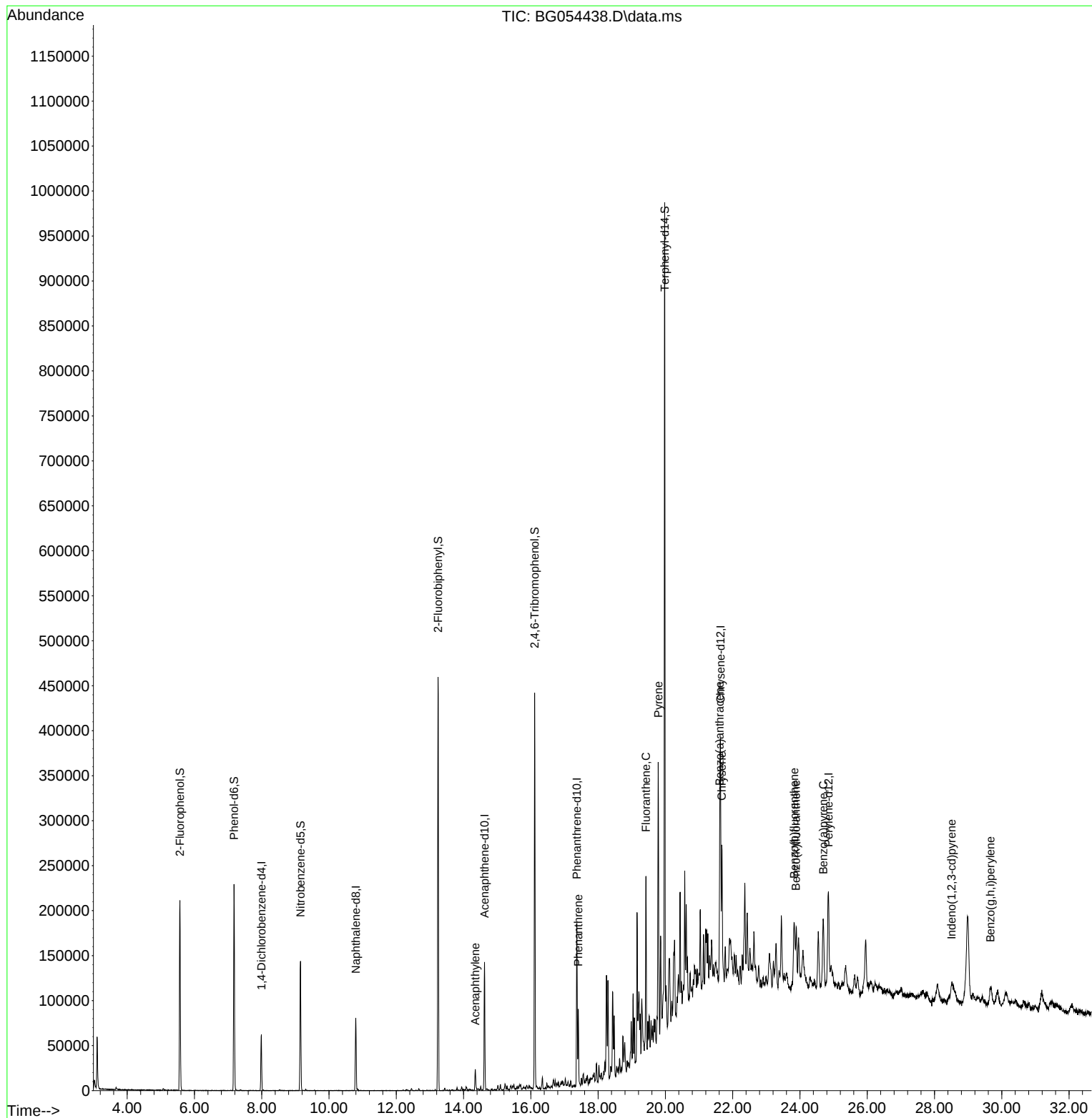
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
Data File : BG054438.D
Acq On : 28 Jul 2022 19:16
Operator : CG/JU
Sample : N3893-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

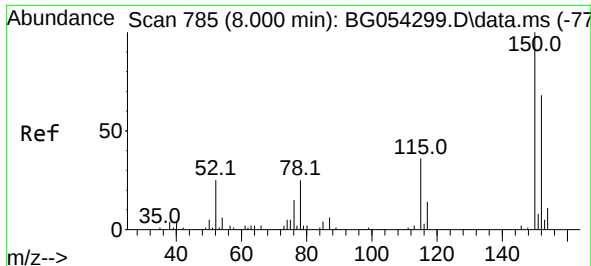
Instrument :
BNA_G
ClientSampleId :
RVE-10

Quant Time: Jul 29 04:09:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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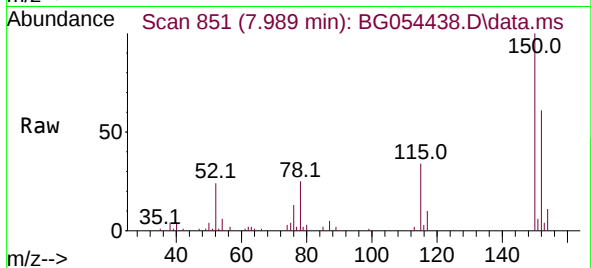
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Instrument :

BNA_G

ClientSampleId :

RVE-10

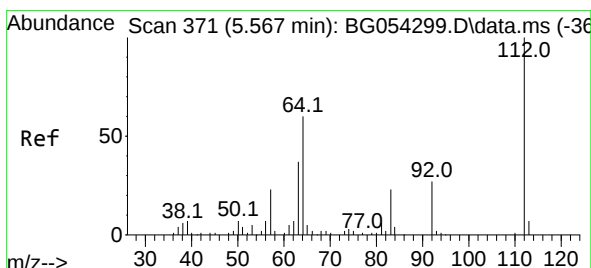
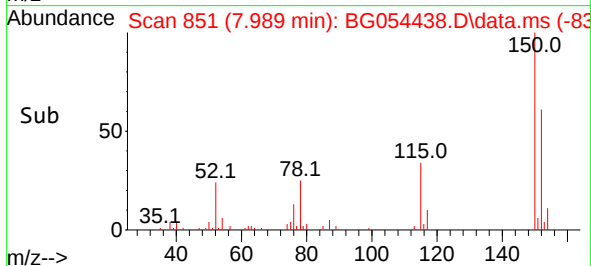
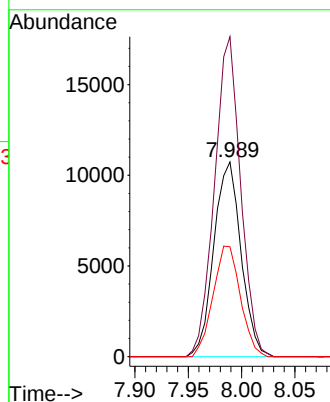


Tgt Ion:152 Resp: 19083
Ion Ratio Lower Upper
152 100
150 164.4 131.6 197.4
115 56.5 50.9 76.3

Manual Integrations

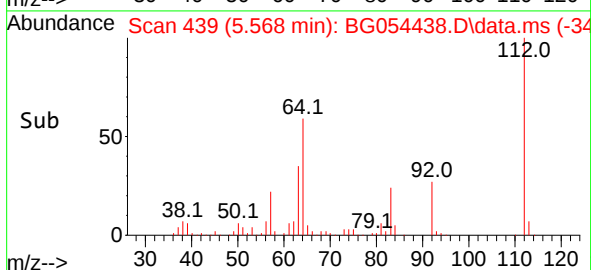
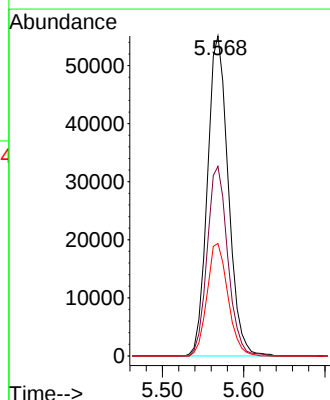
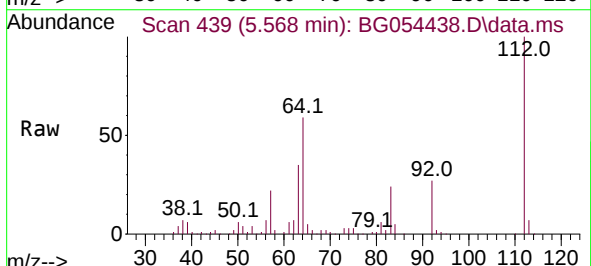
APPROVED

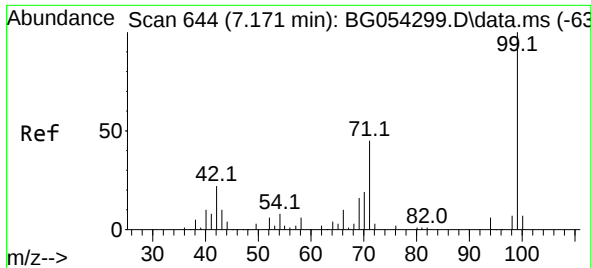
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#5
2-Fluorophenol
Concen: 107.496 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.007 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

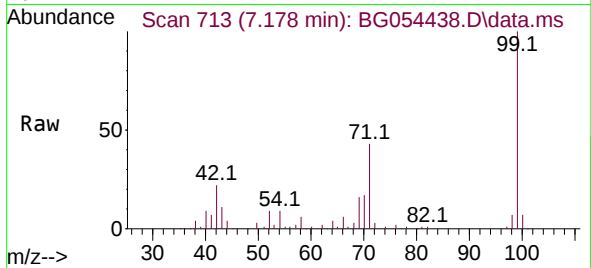
Tgt Ion:112 Resp: 98250
Ion Ratio Lower Upper
112 100
64 59.2 55.1 82.7
63 35.1 30.4 45.6





#7
Phenol-d6
Concen: 105.982 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.007 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

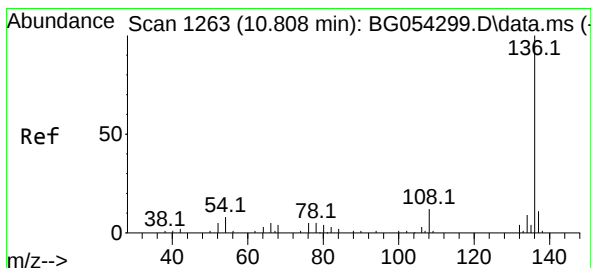
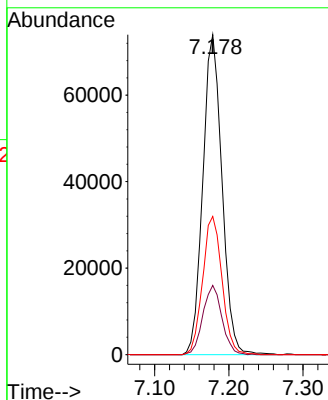
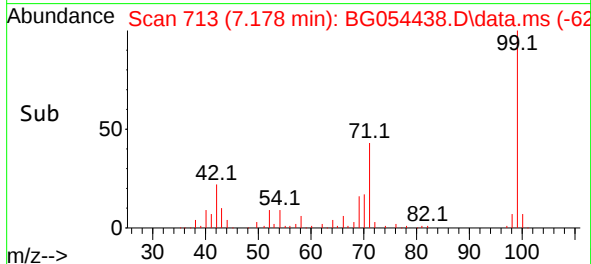
Instrument :
BNA_G
ClientSampleId :
RVE-10



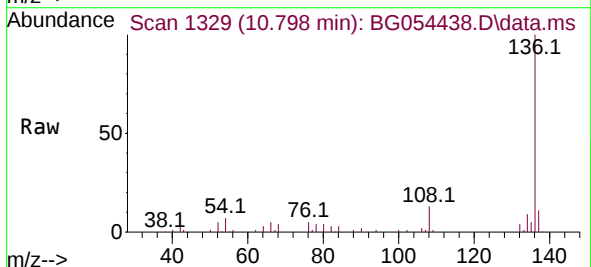
Tgt Ion: 99 Resp: 132731
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 43.2 33.8 50.8

Manual Integrations
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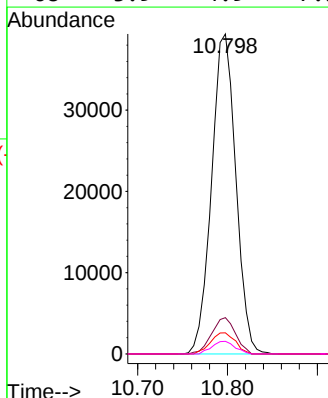
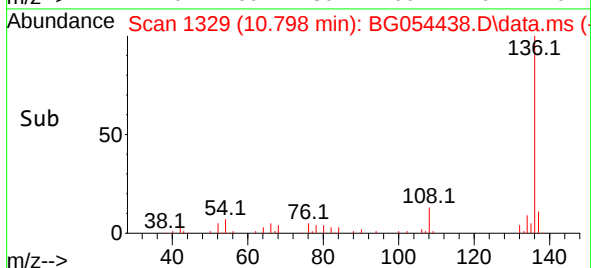
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1329
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16



Tgt Ion:136 Resp: 74107
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 6.6 7.4 11.2#
68 3.9 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 65.170 ng

RT: 9.152 min Scan# 1049

Delta R.T. 0.001 min

Lab File: BG054438.D

Acq: 28 Jul 2022 19:16

Instrument :

BNA_G

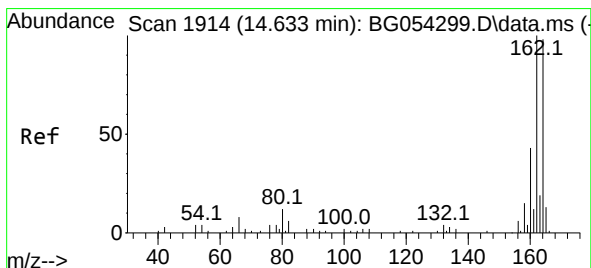
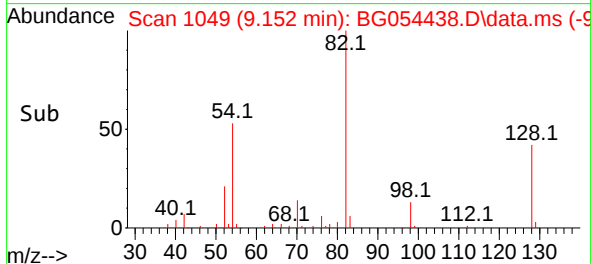
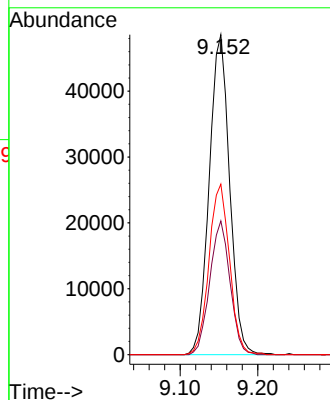
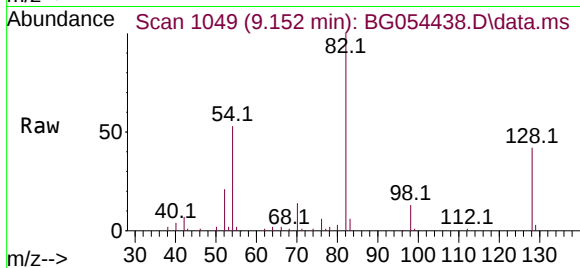
ClientSampleId :

RVE-10

Tgt Ion: 82	Resp: 88686
Ion Ratio	Lower Upper
82	100
128	41.8 27.9 41.9
54	53.3 41.2 61.8

Manual Integrations
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Supervised By :Jagrut Upadhyay 07/29/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

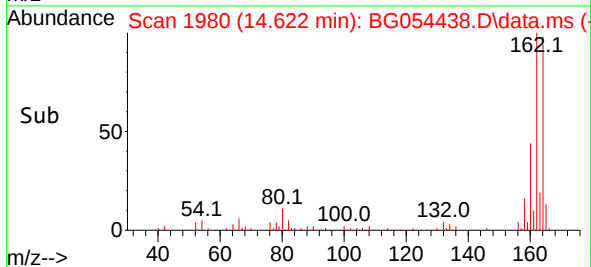
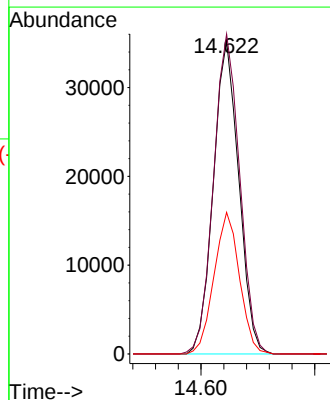
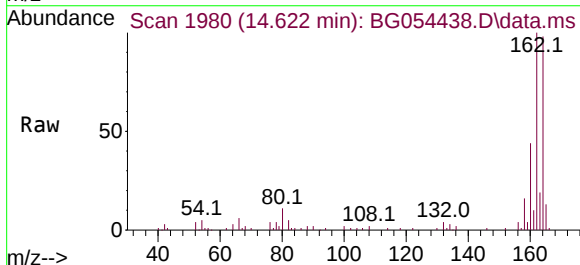
RT: 14.622 min Scan# 1980

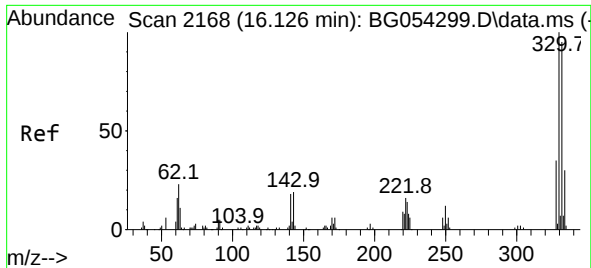
Delta R.T. 0.001 min

Lab File: BG054438.D

Acq: 28 Jul 2022 19:16

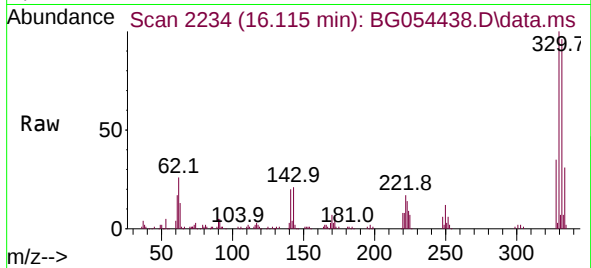
Tgt Ion:164	Resp: 54679
Ion Ratio	Lower Upper
164	100
162	102.2 82.3 123.5
160	45.2 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 98.443 ng
RT: 16.115 min Scan# 2168
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

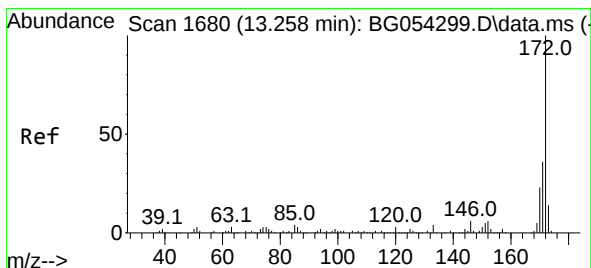
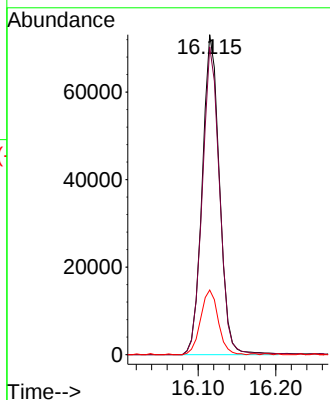
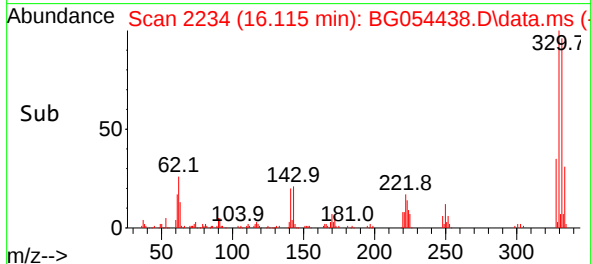
Instrument :
BNA_G
ClientSampleId :
RVE-10



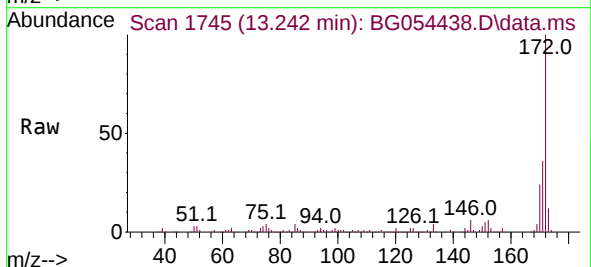
Tgt Ion:330 Resp: 113018
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 20.6 27.1 40.7

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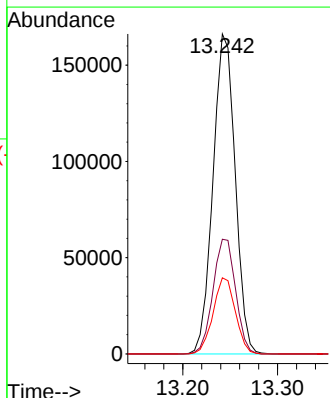
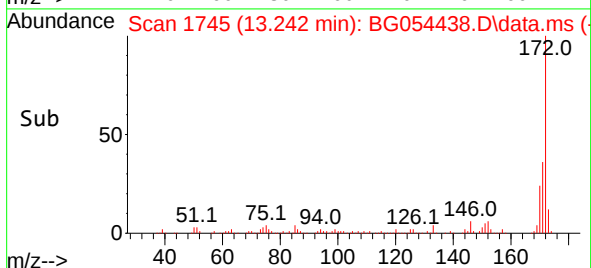
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

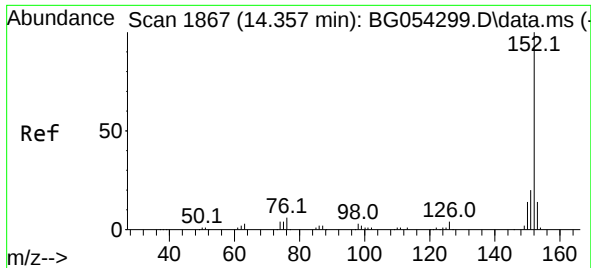


#45
2-Fluorobiphenyl
Concen: 69.684 ng
RT: 13.242 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16



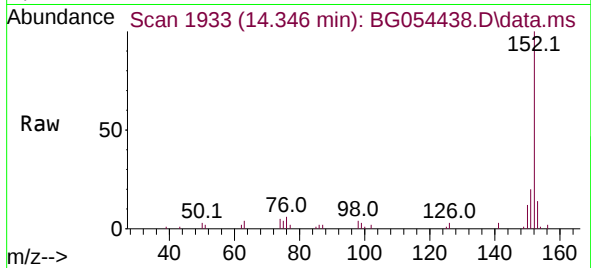
Tgt Ion:172 Resp: 270096
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.8 18.9 28.3





#49
Acenaphthylene
Concen: 5.268 ng
RT: 14.346 min Scan# 1933
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

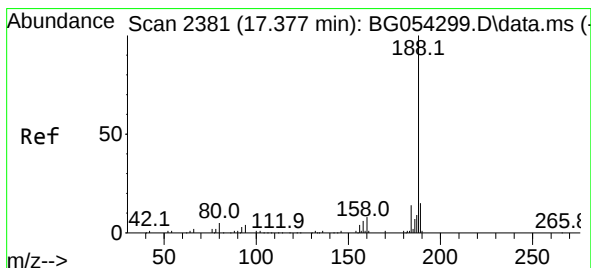
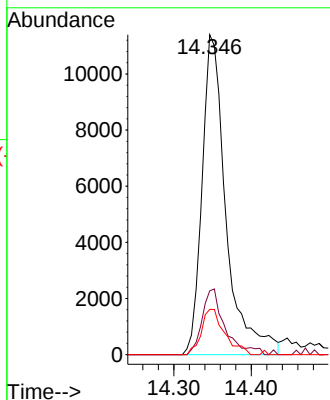
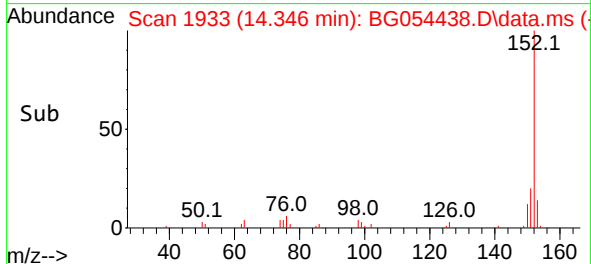
Instrument :
BNA_G
ClientSampleId :
RVE-10



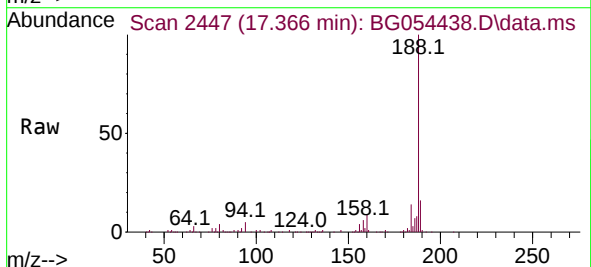
Tgt Ion:152 Resp: 24505
Ion Ratio Lower Upper
152 100
151 19.9 16.4 24.6
153 14.1 10.8 16.2

Manual Integrations
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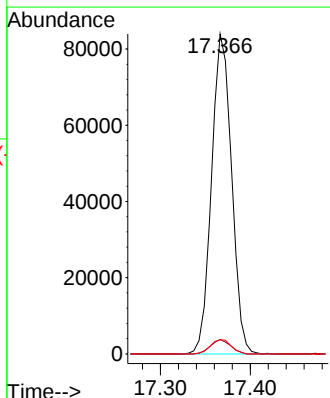
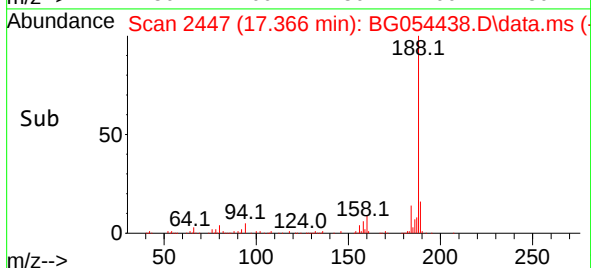
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

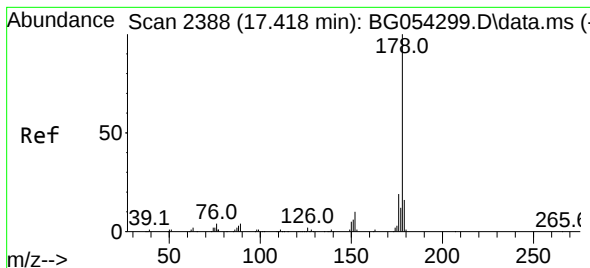


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16



Tgt Ion:188 Resp: 130481
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0#
80 4.4 6.8 10.2#





#71

Phenanthrene

Concen: 9.655 ng

RT: 17.413 min Scan# 24

Delta R.T. 0.001 min

Lab File: BG054438.D

Acq: 28 Jul 2022 19:16

Instrument :

BNA_G

ClientSampleId :

RVE-10

Tgt Ion:178 Resp: 62736

Ion Ratio Lower Upper

178 100

176 18.7 14.1 21.1

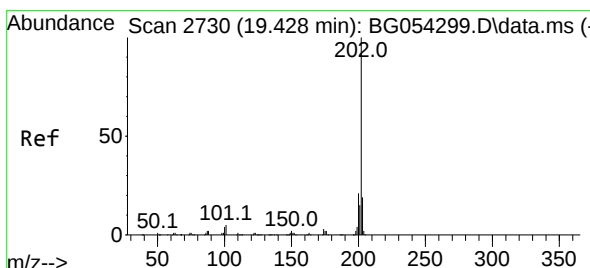
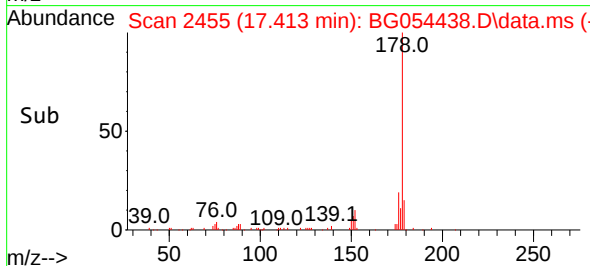
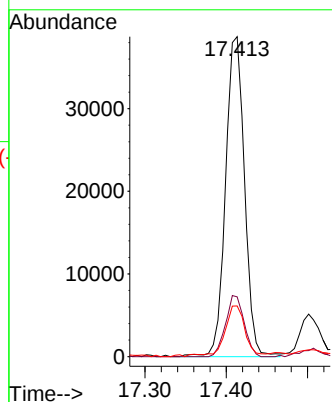
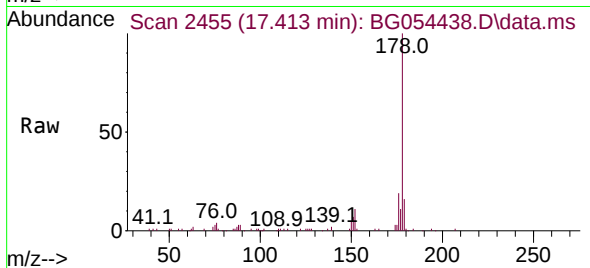
179 15.8 12.1 18.1

Manual Integrations

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Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#75

Fluoranthene

Concen: 13.033 ng

RT: 19.423 min Scan# 2797

Delta R.T. 0.001 min

Lab File: BG054438.D

Acq: 28 Jul 2022 19:16

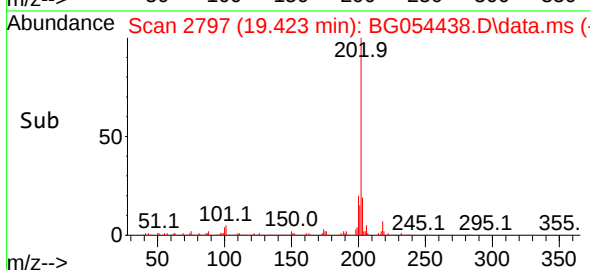
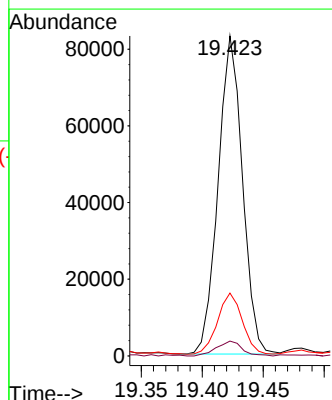
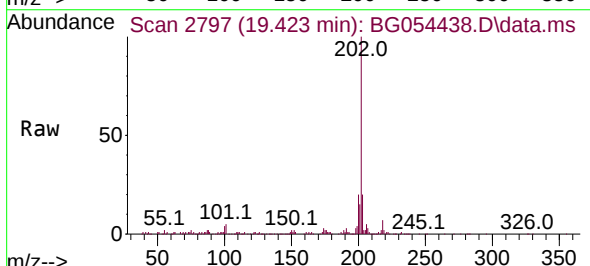
Tgt Ion:202 Resp: 115445

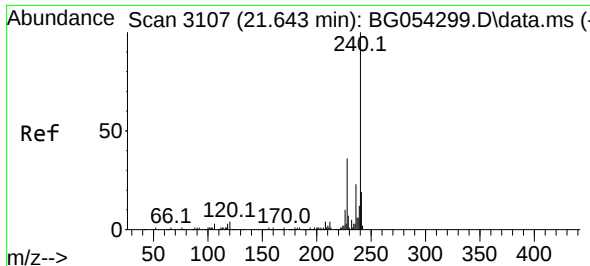
Ion Ratio Lower Upper

202 100

101 4.7 0.0 26.9

203 19.6 0.0 37.2





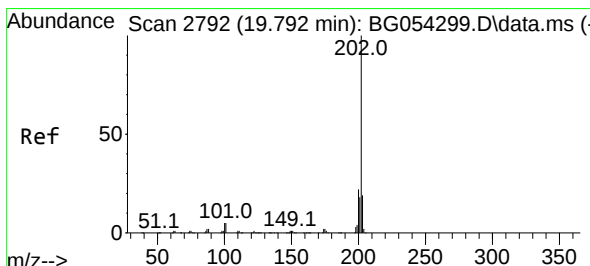
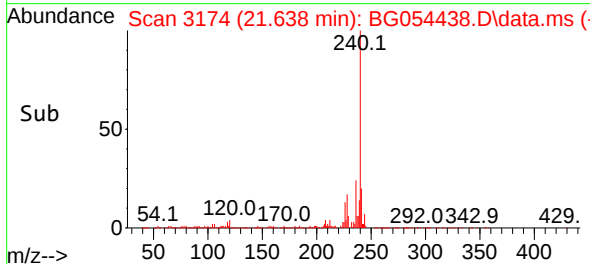
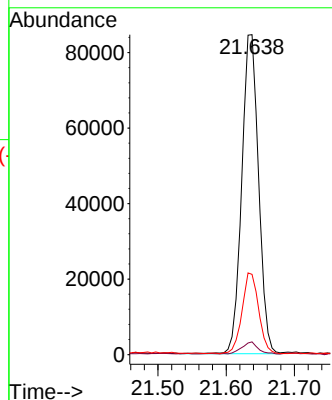
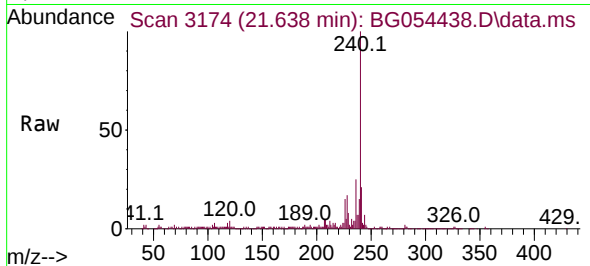
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 3107
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

Instrument :
BNA_G
ClientSampleId :
RVE-10

Tgt Ion:240 Resp: 145354
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0
236 25.1 20.2 30.4

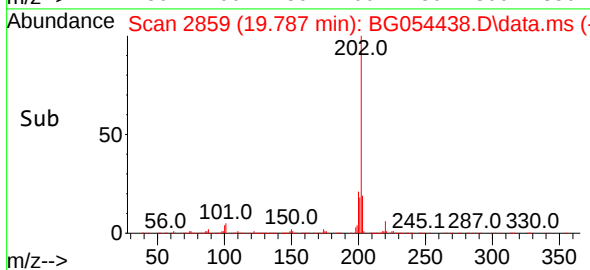
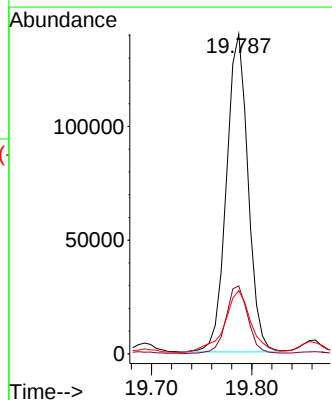
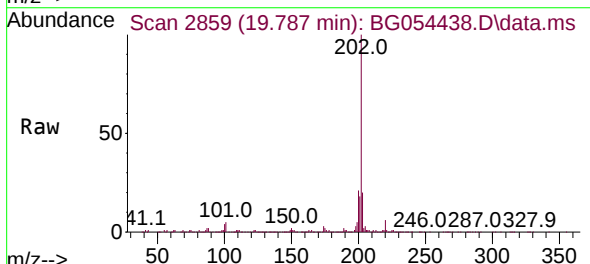
Manual Integrations
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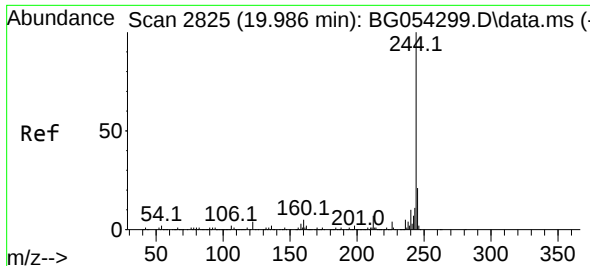
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#78
Pyrene
Concen: 25.089 ng
RT: 19.787 min Scan# 2859
Delta R.T. 0.001 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

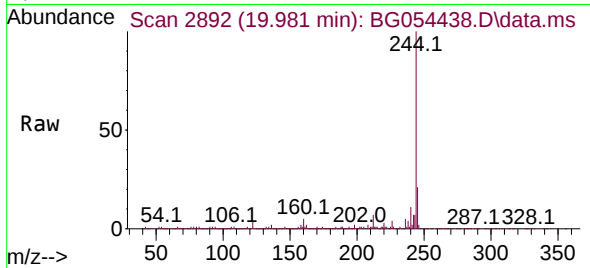
Tgt Ion:202 Resp: 209253
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 19.8 14.6 21.8





#79
 Terphenyl-d14
 Concen: 69.805 ng
 RT: 19.981 min Scan# 2825
 Delta R.T. 0.001 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16

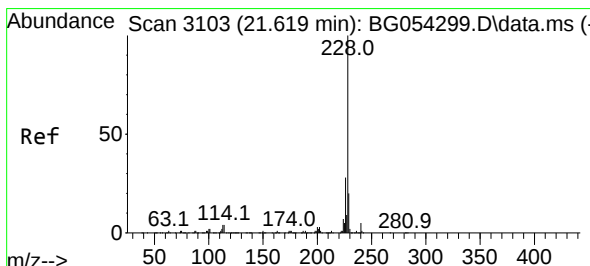
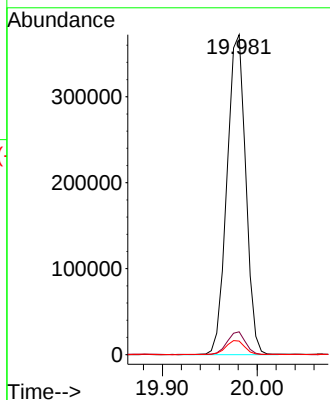
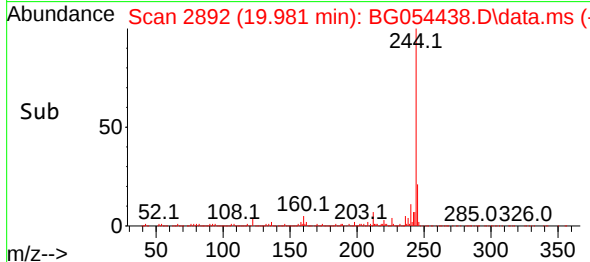
Instrument :
 BNA_G
 ClientSampleId :
 RVE-10



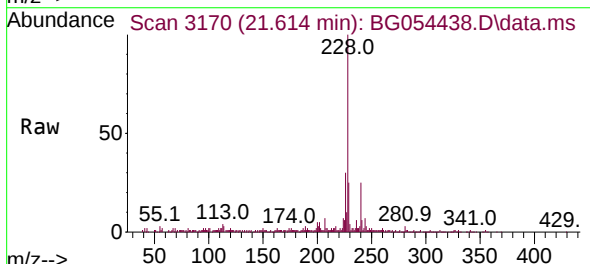
Tgt Ion:244 Resp: 511465
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.2 5.0 7.4

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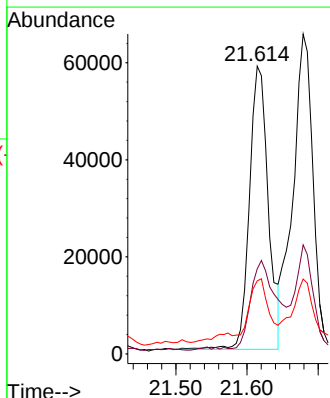
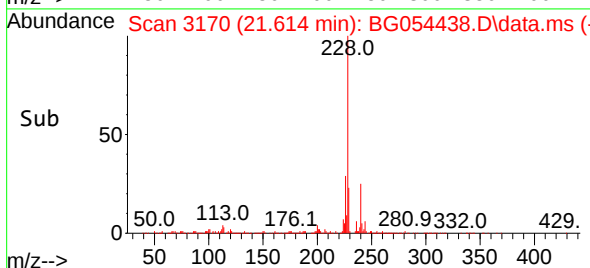
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022

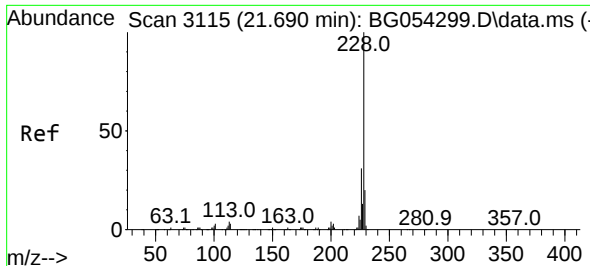


#81
 Benzo(a)anthracene
 Concen: 11.684 ng
 RT: 21.614 min Scan# 3170
 Delta R.T. 0.001 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16



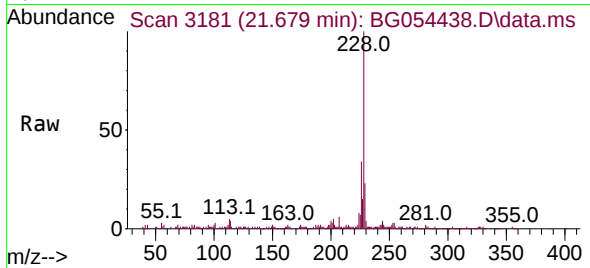
Tgt Ion:228 Resp: 107807
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.6 32.4
 229 25.4 16.2 24.2





#83
Chrysene
Concen: 14.569 ng
RT: 21.679 min Scan# 3115
Delta R.T. -0.005 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

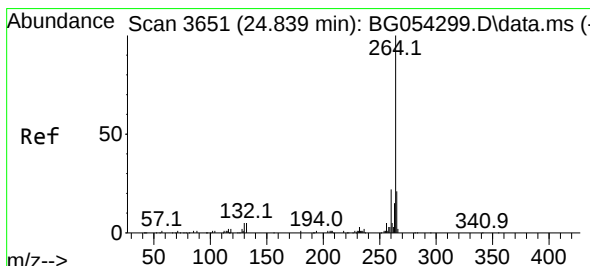
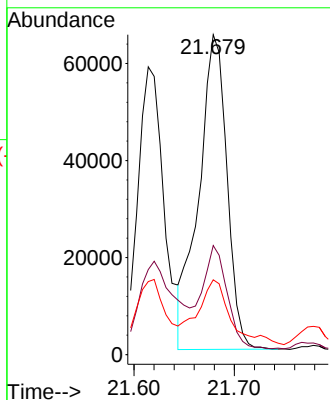
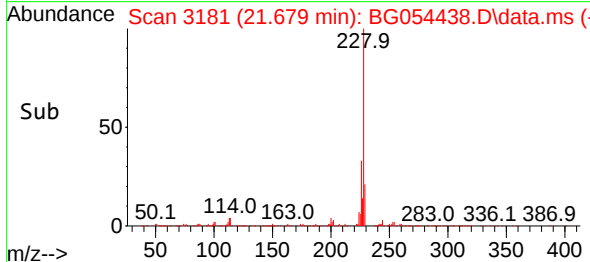
Instrument :
BNA_G
ClientSampleId :
RVE-10



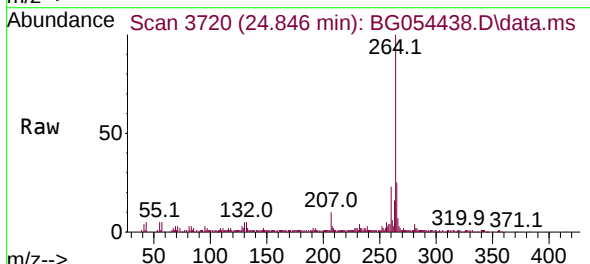
Tgt Ion:228 Resp: 127000
Ion Ratio Lower Upper
228 100
226 34.1 23.4 35.2
229 23.4 15.5 23.3

Manual Integrations
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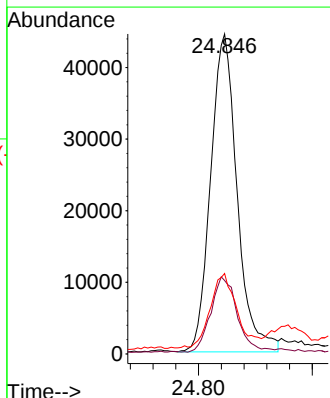
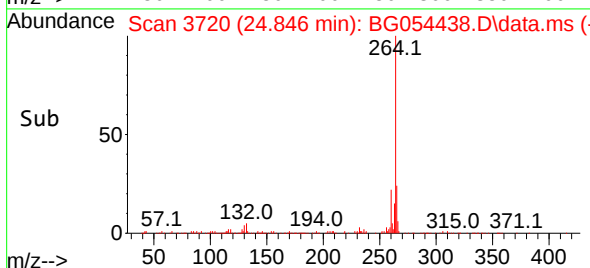
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

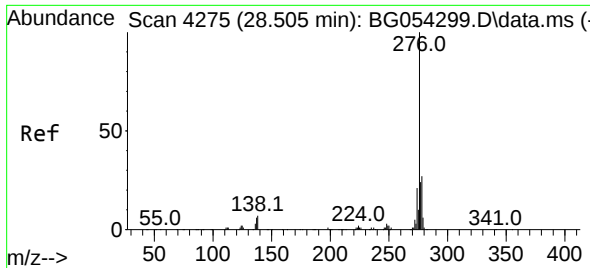


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.846 min Scan# 3720
Delta R.T. 0.012 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16



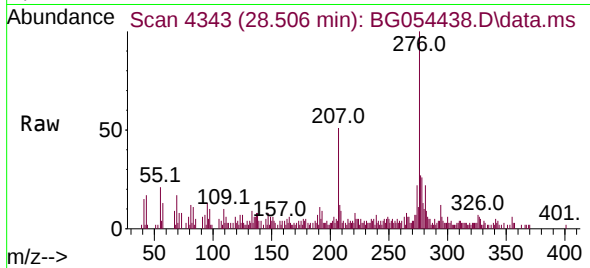
Tgt Ion:264 Resp: 143553
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.6
265 25.1 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.059 ng
 RT: 28.506 min Scan# 4343
 Delta R.T. -0.011 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16

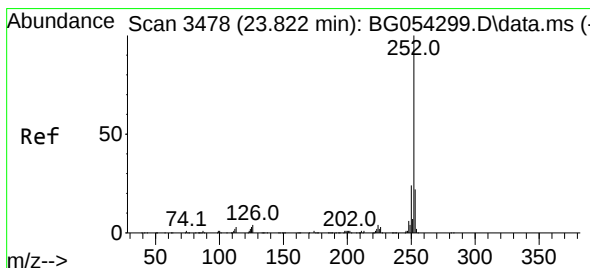
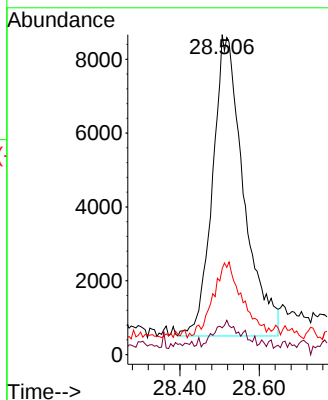
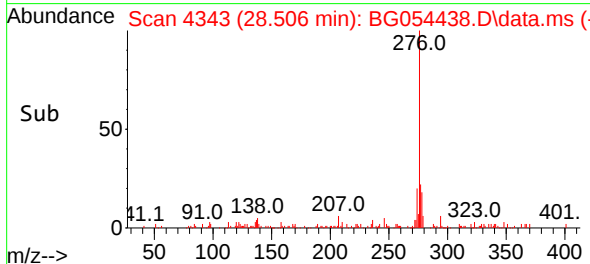
Instrument :
 BNA_G
 ClientSampleId :
 RVE-10



Tgt Ion:276 Resp: 4433
 Ion Ratio Lower Upper
 276 100
 138 4.8 5.0 7.4
 277 23.3 20.3 30.5

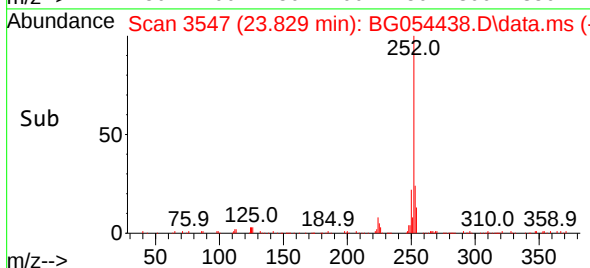
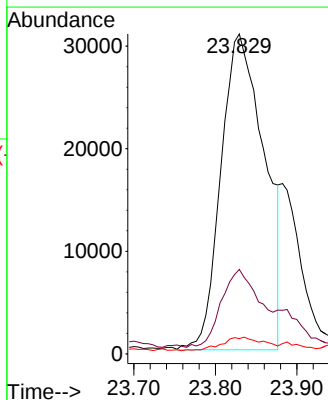
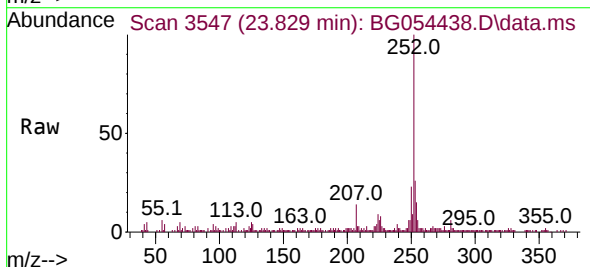
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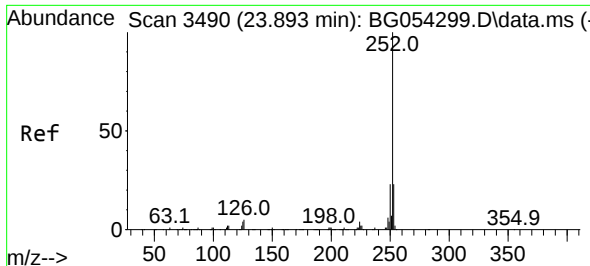
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022



#88
 Benzo(b)fluoranthene
 Concen: 13.431 ng m
 RT: 23.829 min Scan# 3547
 Delta R.T. 0.007 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16

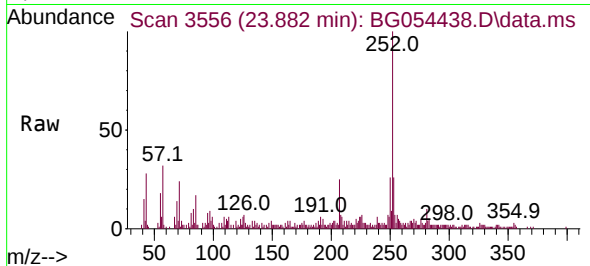
Tgt Ion:252 Resp: 114026
 Ion Ratio Lower Upper
 252 100
 253 26.4 18.0 27.0
 125 4.8 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 3.376 ng m
RT: 23.882 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

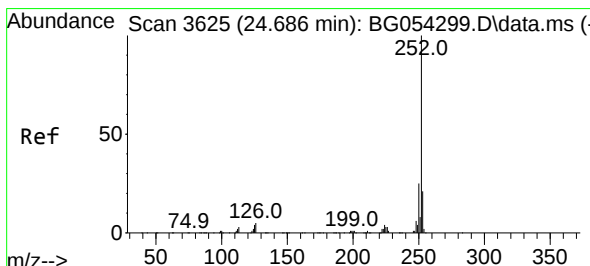
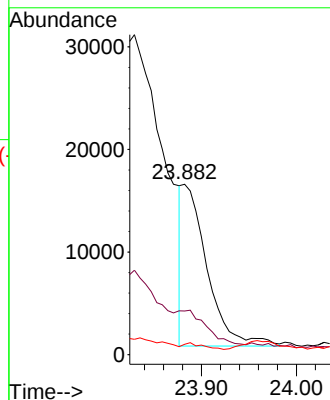
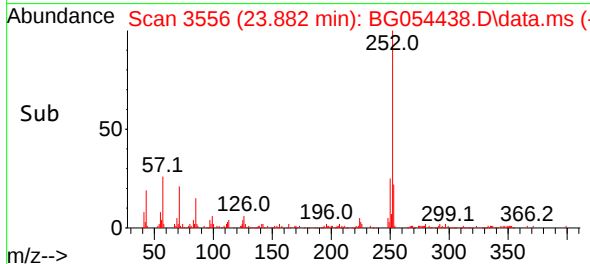
Instrument :
BNA_G
ClientSampleId :
RVE-10



Tgt Ion:252 Resp: 28520
Ion Ratio Lower Upper
252 100
253 25.6 18.4 27.6
125 6.1 4.8 7.2

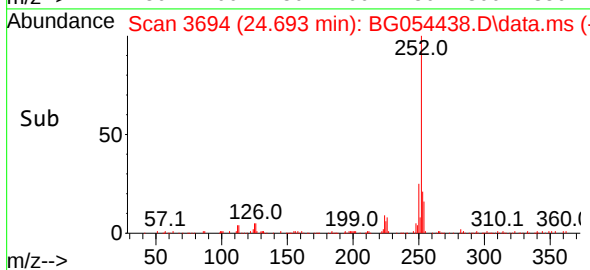
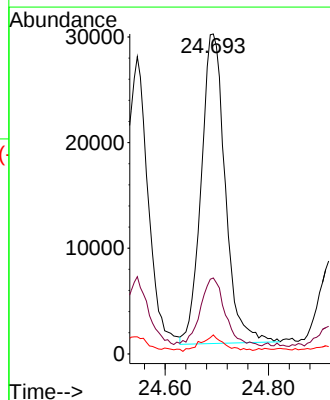
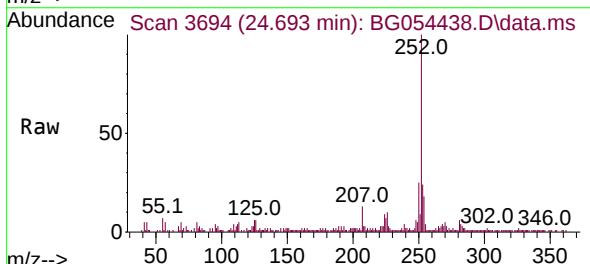
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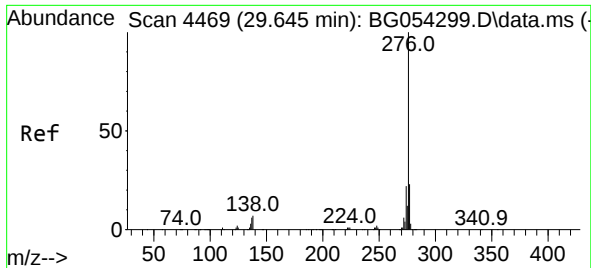
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#90
Benzo(a)pyrene
Concen: 13.052 ng
RT: 24.693 min Scan# 3694
Delta R.T. 0.007 min
Lab File: BG054438.D
Acq: 28 Jul 2022 19:16

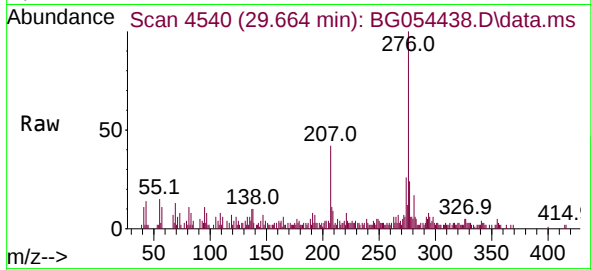
Tgt Ion:252 Resp: 94631
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 5.9 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 6.508 ng
 RT: 29.664 min Scan# 4540
 Delta R.T. 0.001 min
 Lab File: BG054438.D
 Acq: 28 Jul 2022 19:16

Instrument :
 BNA_G
 ClientSampleId :
 RVE-10



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.3	25.9
138	13.1	9.6	14.4

Manual Integrations
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Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022

