

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
 Data File : BG054492.D
 Acq On : 2 Aug 2022 21:02
 Operator : CG/JU
 Sample : N3895-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-55

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/03/2022
 Supervised By : Jagrut Upadhyay 08/04/2022

Quant Time: Aug 03 04:14:56 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	7.988	152	19373	20.000	ng	0.00
21) Naphthalene-d8	10.797	136	74290	20.000	ng	# 0.00
39) Acenaphthene-d10	14.627	164	55350	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	130045	20.000	ng	# 0.00
76) Chrysene-d12	21.643	240	144493	20.000	ng	# 0.00
86) Perylene-d12	24.857	264	124713	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.579	112	111345	120.000	ng	0.02
7) Phenol-d6	7.189	99	146703	115.385	ng	0.02
23) Nitrobenzene-d5	9.151	82	100459	73.640	ng	0.00
42) 2,4,6-Tribromophenol	16.120	330	126882	109.179	ng	0.00
45) 2-Fluorobiphenyl	13.247	172	297482	75.819	ng	0.00
79) Terphenyl-d14	19.980	244	561901	77.146	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.357	152	44535m	9.458	ng	
71) Phenanthrene	17.412	178	70909	10.949	ng	97
72) Anthracene	17.506	178	17253	2.715	ng	97
75) Fluoranthene	19.428	202	147438	16.701	ng	93
78) Pyrene	19.792	202	327359	39.484	ng	98
81) Benzo(a)anthracene	21.625	228	136697	14.903	ng	# 89
83) Chrysene	21.690	228	203035	23.430	ng	92
87) Indeno(1,2,3-cd)pyrene	28.552	276	59598	6.282	ng	99
88) Benzo(b)fluoranthene	23.840	252	180274m	24.443	ng	
89) Benzo(k)fluoranthene	23.893	252	72989m	9.944	ng	
90) Benzo(a)pyrene	24.710	252	163462	25.952	ng	97
92) Benzo(g,h,i)perylene	29.727	276	71191m	9.246	ng	

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

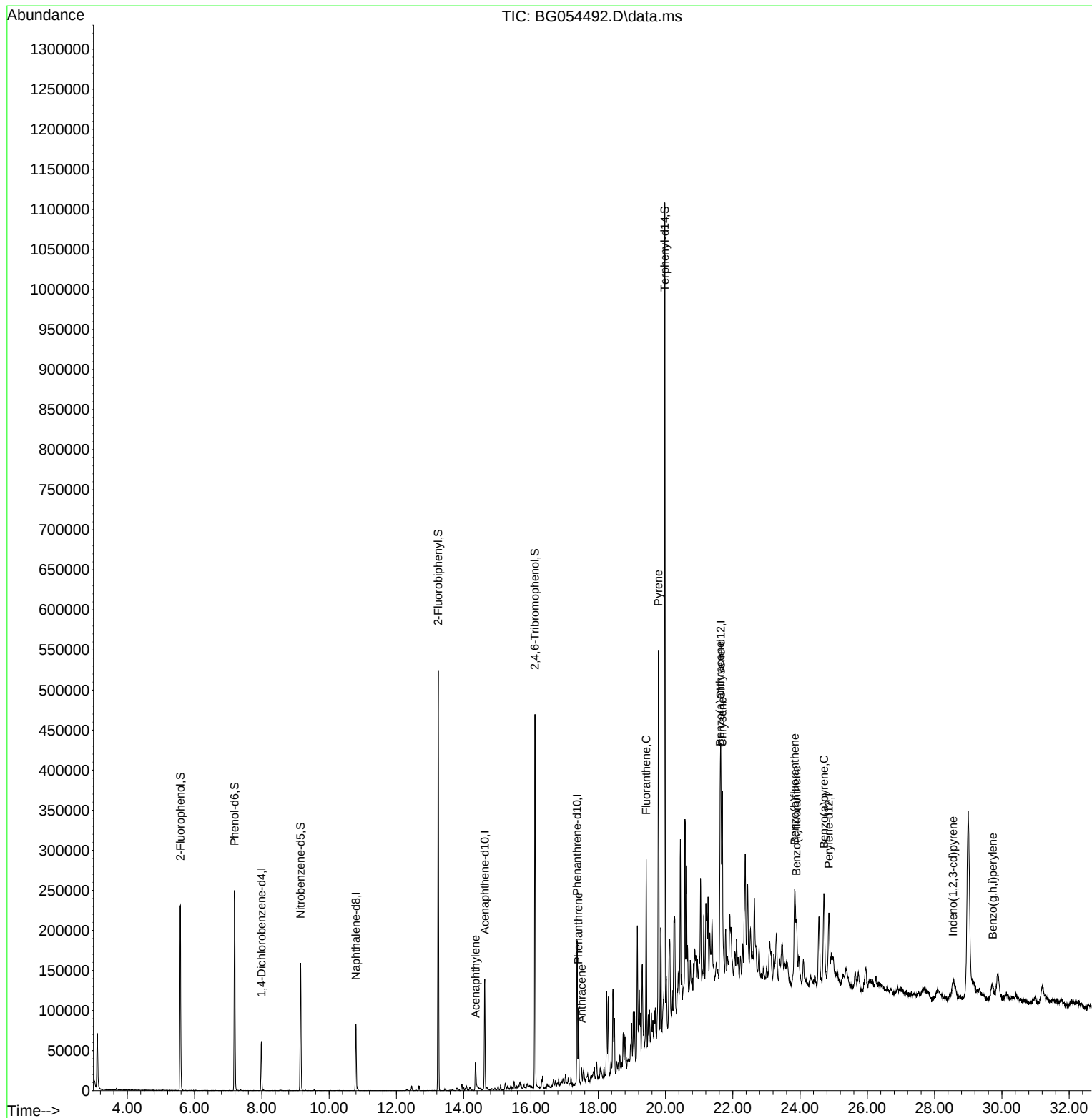
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
Data File : BG054492.D
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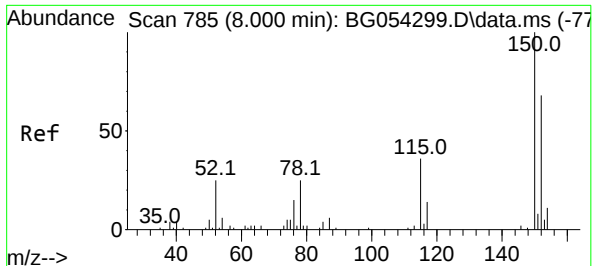
Instrument :
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Quant Time: Aug 03 04:14:56 2022
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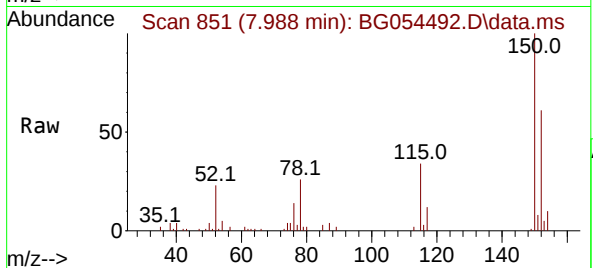
Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

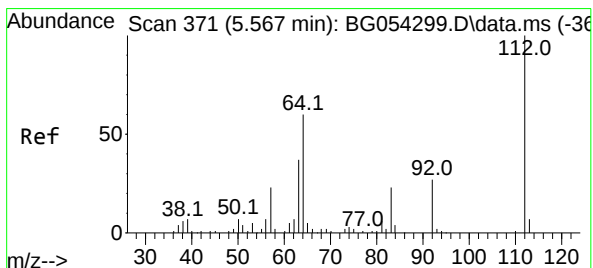
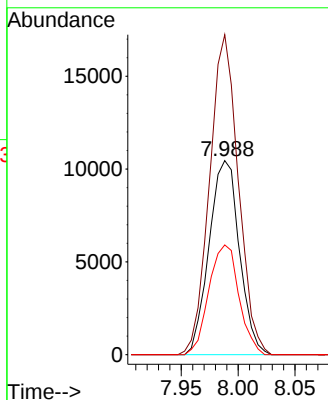
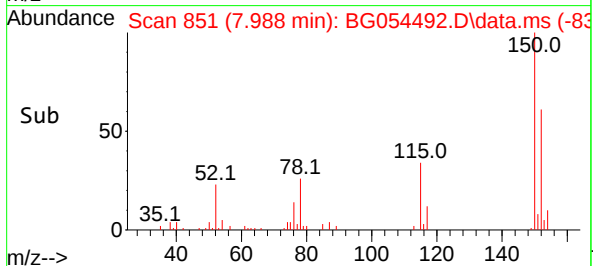
Instrument :
BNA_G
ClientSampleId :
RVE-55



Tgt Ion:152 Resp: 1937
Ion Ratio Lower Upper
152 100
150 164.8 131.6 197.4
115 56.6 50.9 76.3

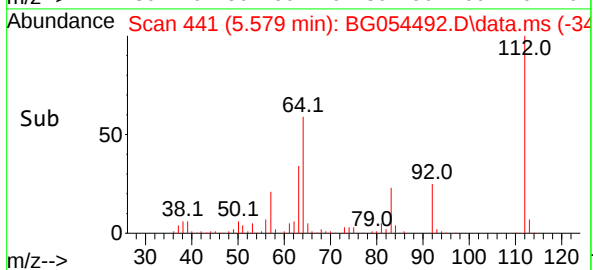
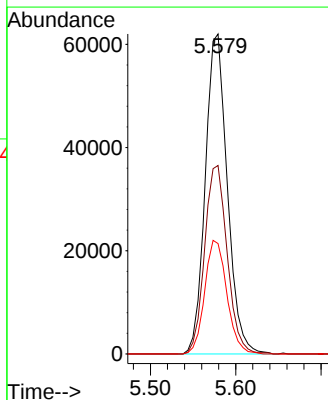
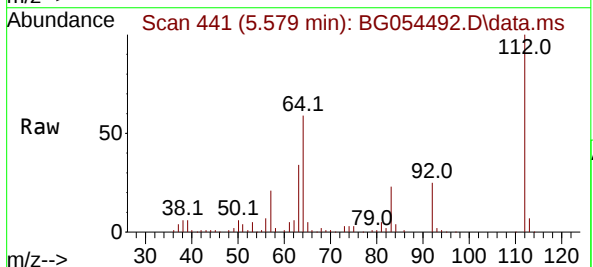
Manual Integrations
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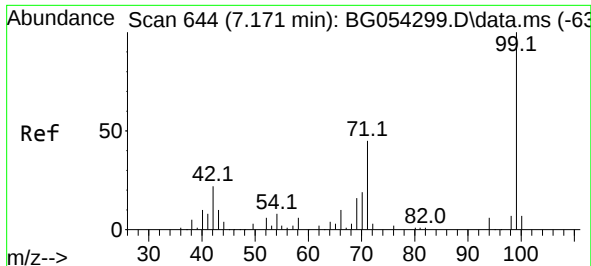
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#5
2-Fluorophenol
Concen: 120.000 ng
RT: 5.579 min Scan# 441
Delta R.T. 0.017 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

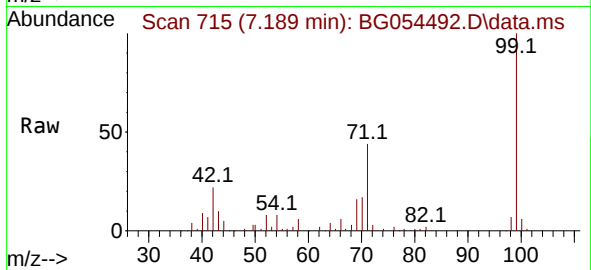
Tgt Ion:112 Resp: 111345
Ion Ratio Lower Upper
112 100
64 58.9 55.1 82.7
63 34.5 30.4 45.6





#7
Phenol-d6
Concen: 115.385 ng
RT: 7.189 min Scan# 71
Delta R.T. 0.017 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

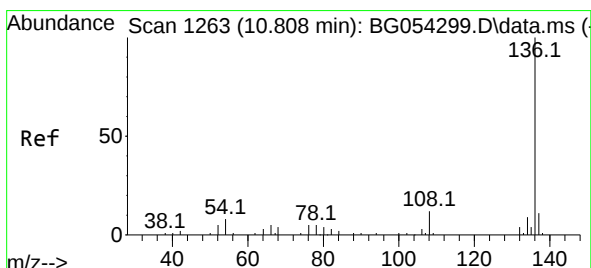
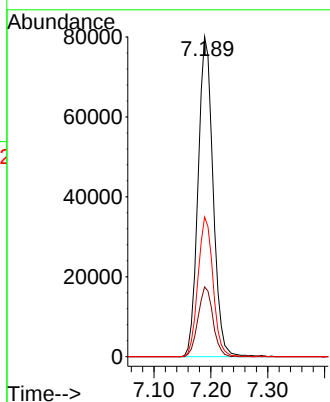
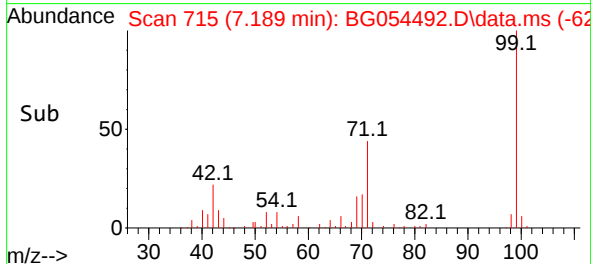
Instrument :
BNA_G
ClientSampleId :
RVE-55



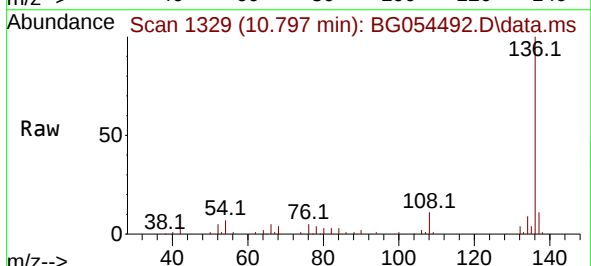
Tgt Ion: 99 Resp: 14670
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 43.7 33.8 50.8

Manual Integrations
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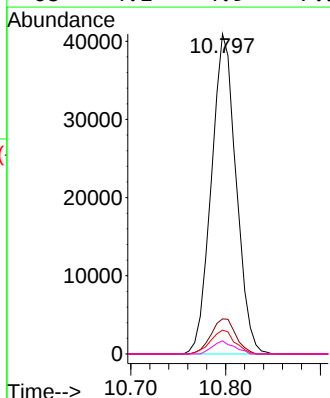
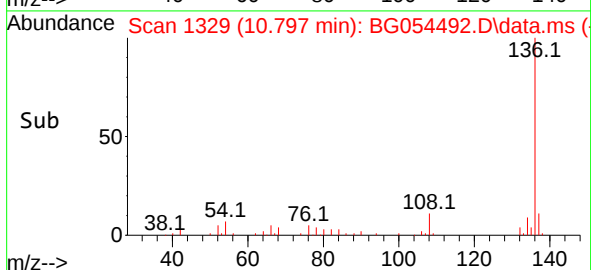
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

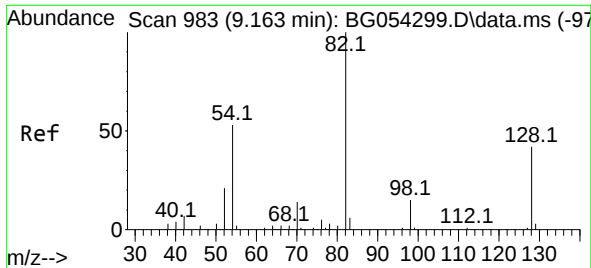


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02



Tgt Ion:136 Resp: 74290
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.5 7.4 11.2
68 4.1 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 73.640 ng

RT: 9.151 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BG054492.D

Acq: 2 Aug 2022 21:02

Instrument :

BNA_G

ClientSampleId :

RVE-55

Tgt Ion: 82 Resp: 100459

Ion Ratio Lower Upper

82 100

128 41.8 27.9 41.9

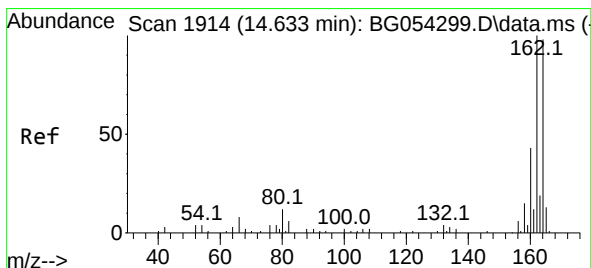
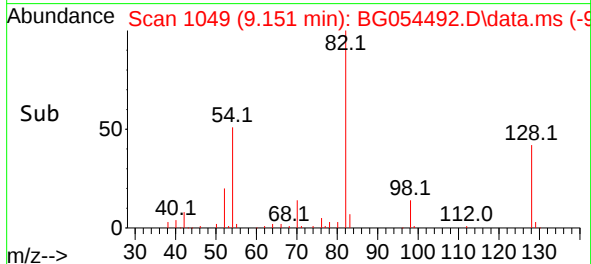
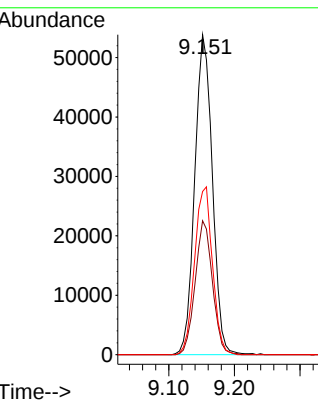
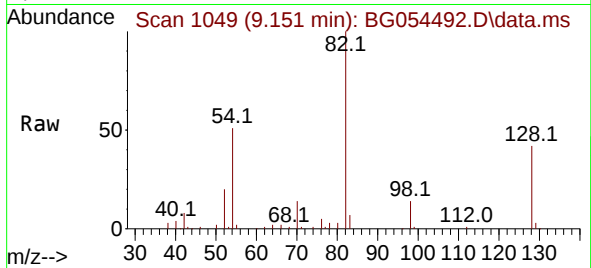
54 51.0 41.2 61.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.627 min Scan# 1981

Delta R.T. 0.006 min

Lab File: BG054492.D

Acq: 2 Aug 2022 21:02

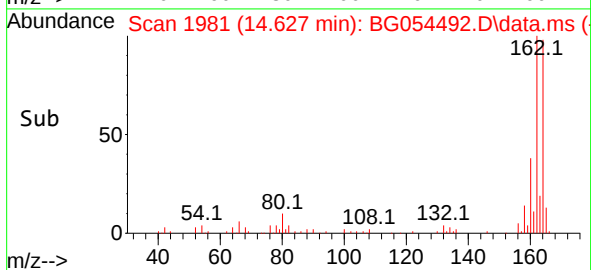
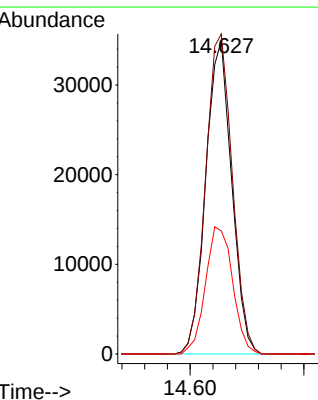
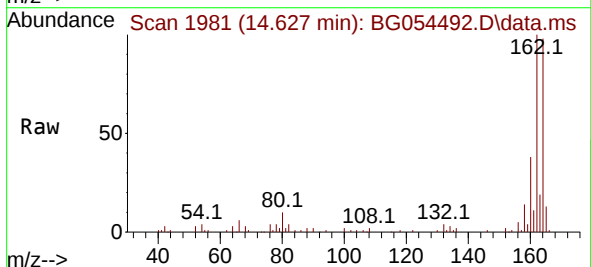
Tgt Ion:164 Resp: 55350

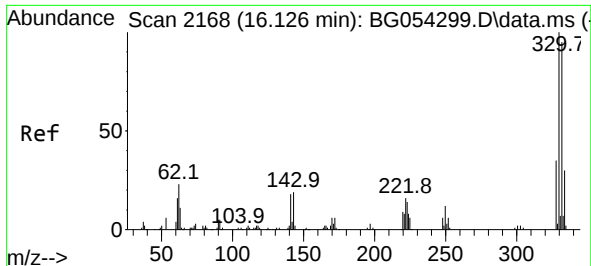
Ion Ratio Lower Upper

164 100

162 102.0 82.3 123.5

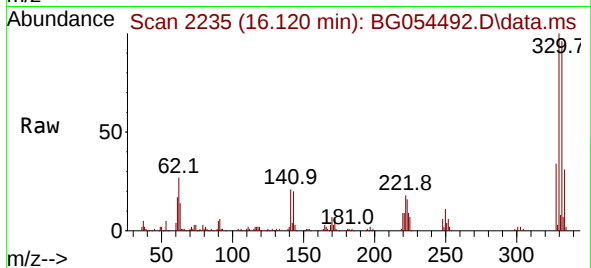
160 39.2 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 109.179 ng
RT: 16.120 min Scan# 2168
Delta R.T. 0.006 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

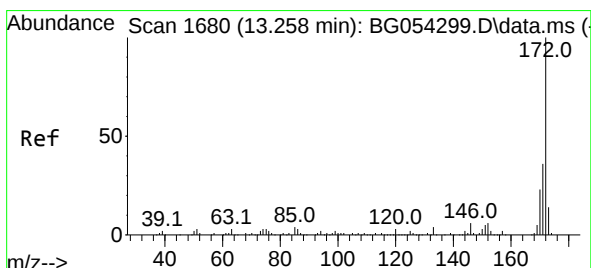
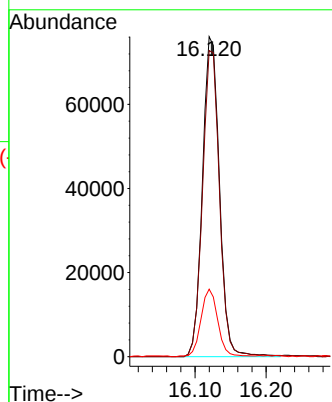
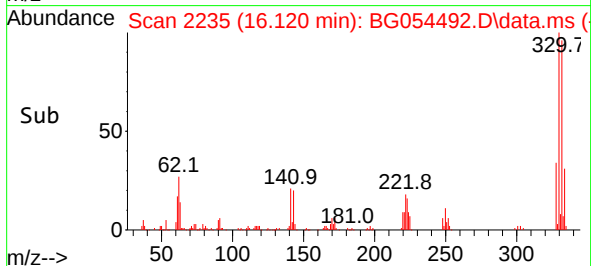
Instrument :
BNA_G
ClientSampleId :
RVE-55



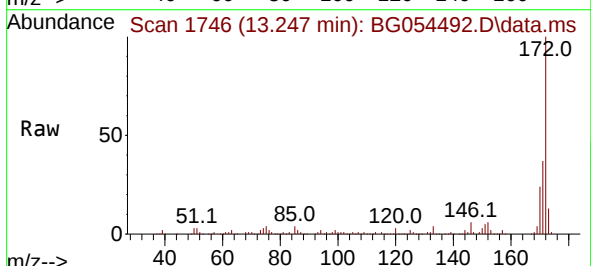
Tgt Ion:330 Resp: 126882
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 21.0 27.1 40.7

Manual Integrations
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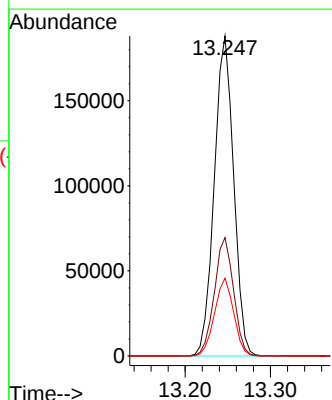
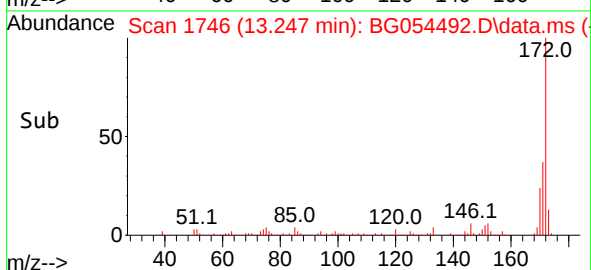
Reviewed By :Christian Giraldo 08/03/2022
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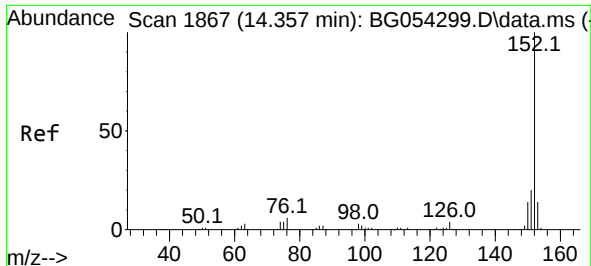


#45
2-Fluorobiphenyl
Concen: 75.819 ng
RT: 13.247 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02



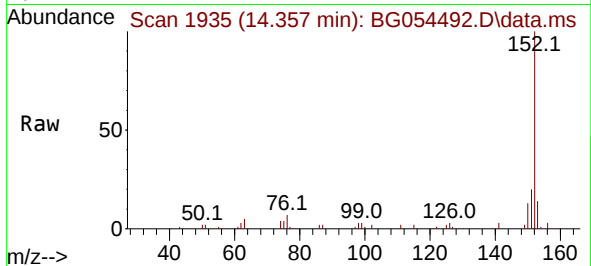
Tgt Ion:172 Resp: 297482
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.3 18.9 28.3





#49
Acenaphthylene
Concen: 9.458 ng m
RT: 14.357 min Scan# 1935
Delta R.T. 0.012 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

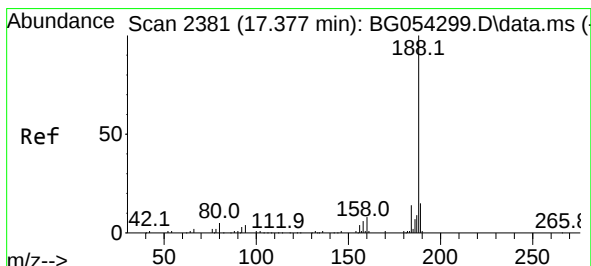
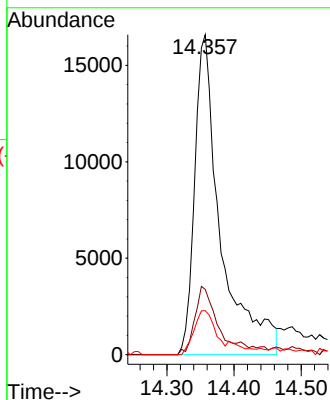
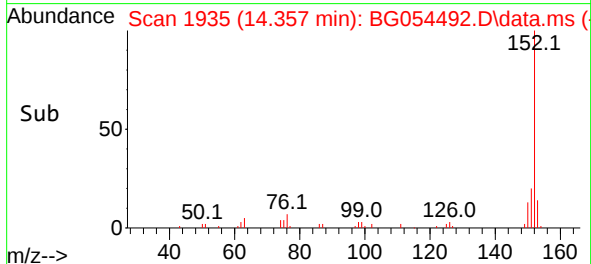
Instrument :
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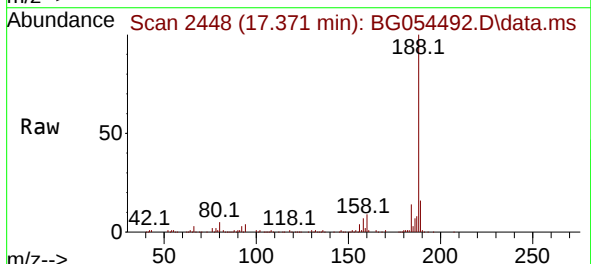
Tgt Ion:152 Resp: 4453
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 13.8 10.8 16.2

Manual Integrations
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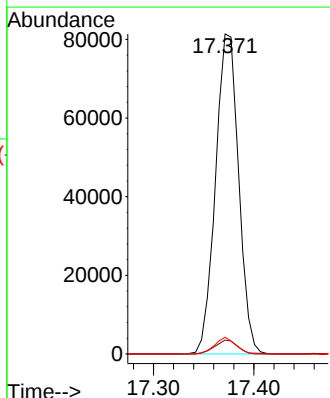
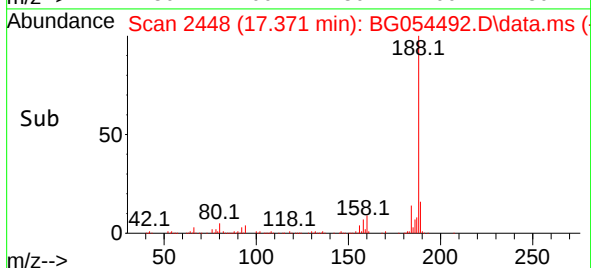
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

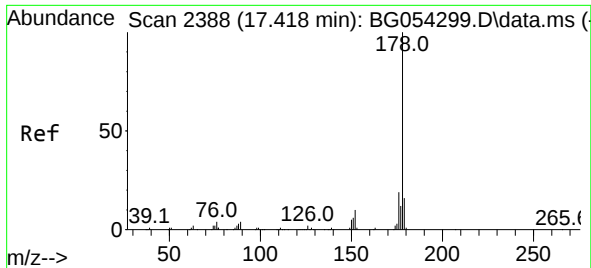


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02



Tgt Ion:188 Resp: 130045
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 5.2 6.8 10.2#





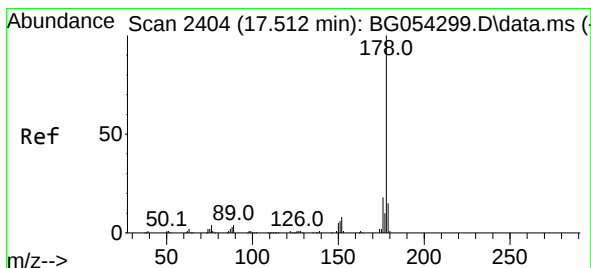
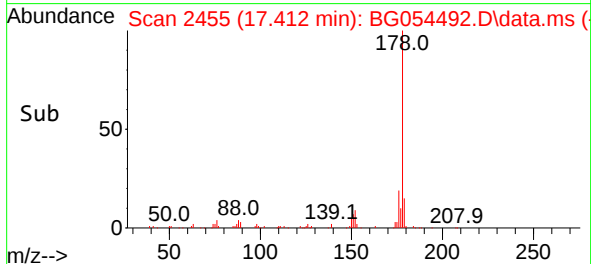
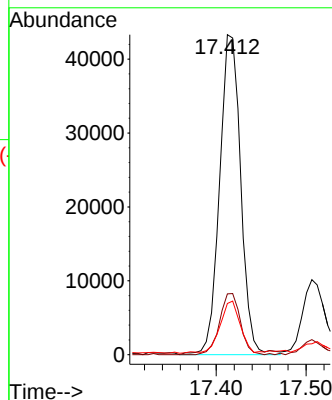
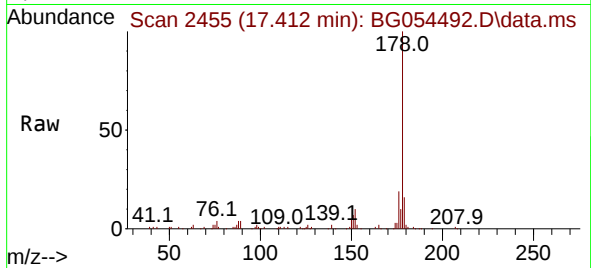
#71
Phenanthrene
Concen: 10.949 ng
RT: 17.412 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

Instrument :
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ClientSampleId :
RVE-55

Tgt Ion:178 Resp: 70909
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 16.0 12.1 18.1

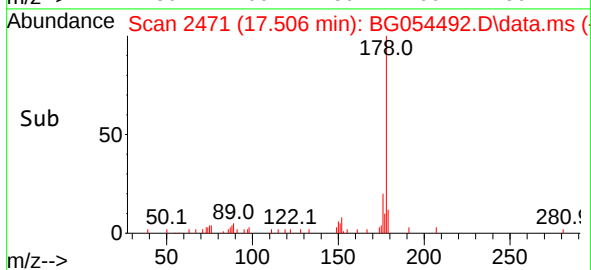
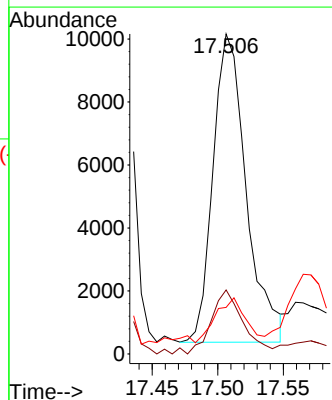
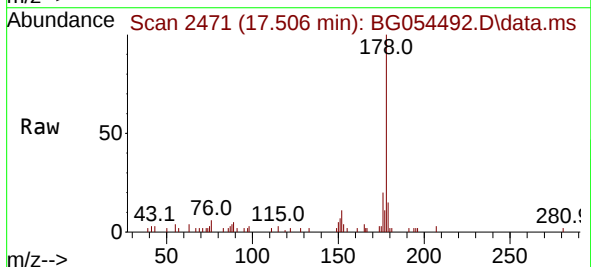
Manual Integrations
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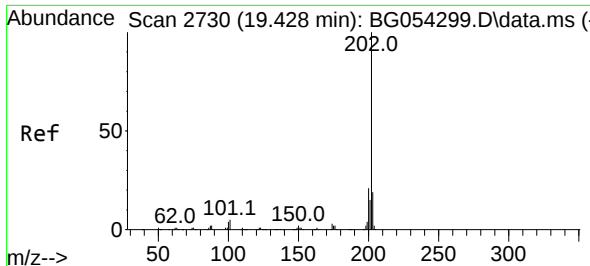
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#72
Anthracene
Concen: 2.715 ng
RT: 17.506 min Scan# 2471
Delta R.T. 0.006 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

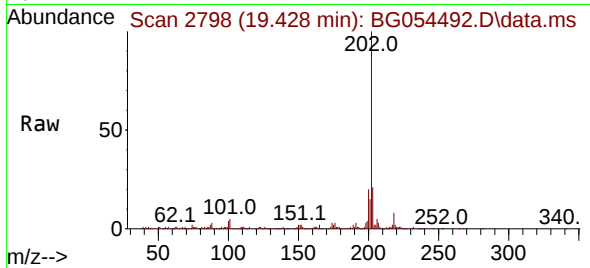
Tgt Ion:178 Resp: 17253
Ion Ratio Lower Upper
178 100
176 20.0 15.2 22.8
179 14.5 13.0 19.4





#75
Fluoranthene
Concen: 16.701 ng
RT: 19.428 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

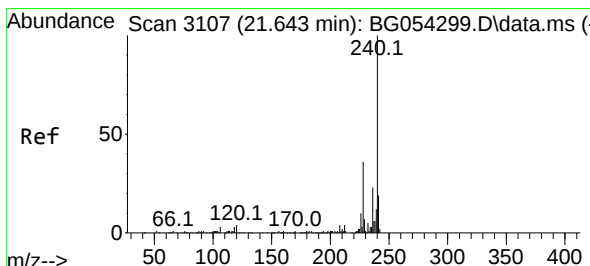
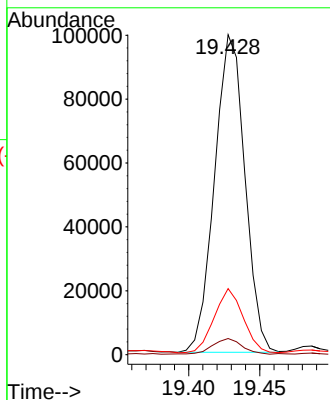
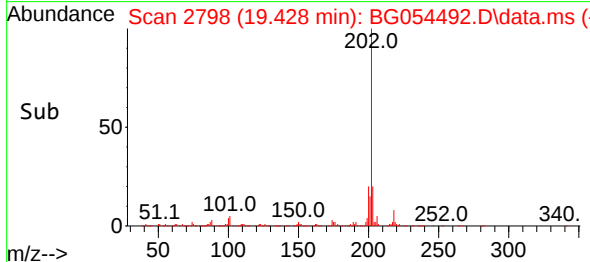
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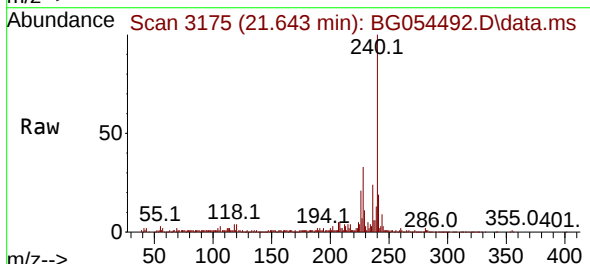
Tgt Ion:202 Resp: 147438
Ion Ratio Lower Upper
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101 5.1 0.0 26.9
203 20.6 0.0 37.2

Manual Integrations
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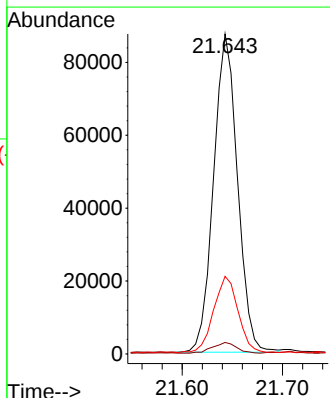
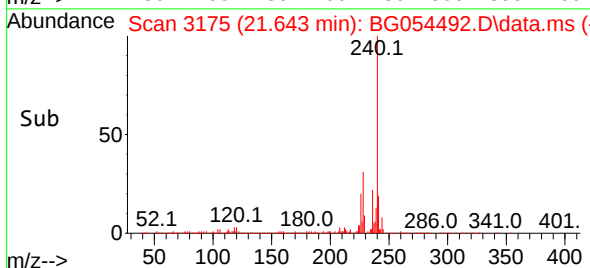
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

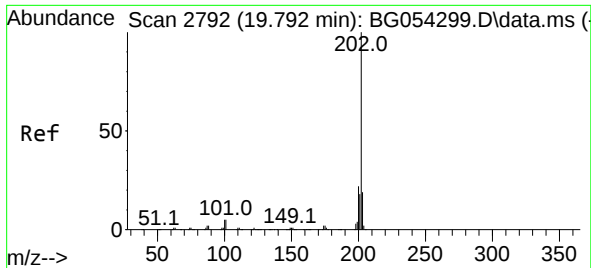


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.643 min Scan# 3175
Delta R.T. 0.006 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02



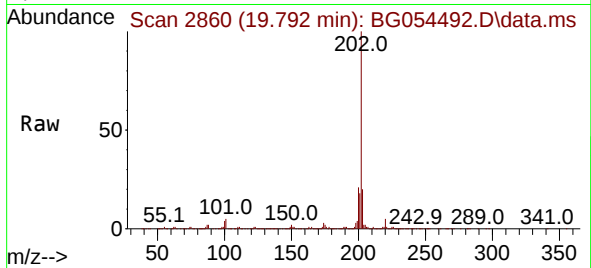
Tgt Ion:240 Resp: 144493
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.3 20.2 30.4





#78
Pyrene
Concen: 39.484 ng
RT: 19.792 min Scan# 2792
Delta R.T. 0.006 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

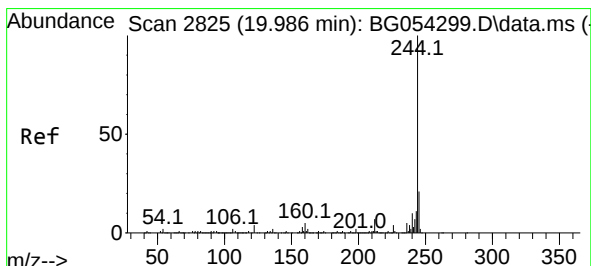
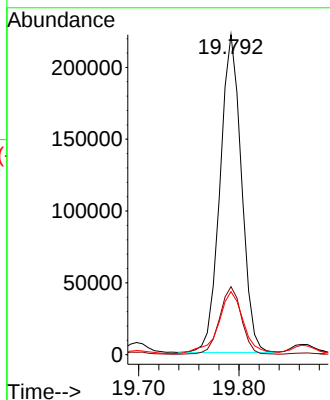
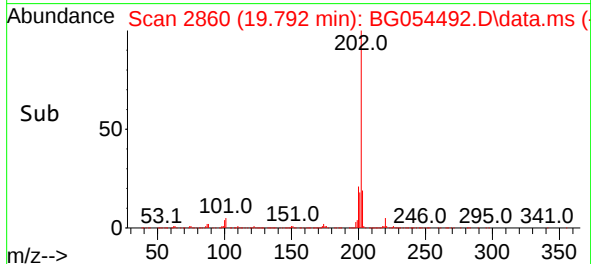
Instrument :
BNA_G
ClientSampleId :
RVE-55



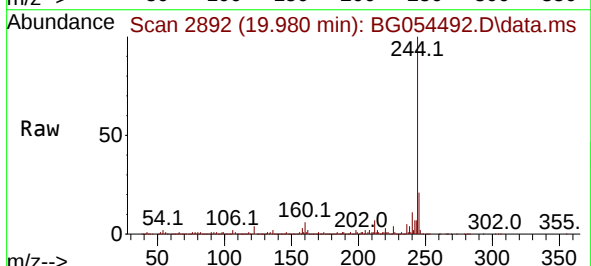
Tgt Ion:202 Resp: 327359
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 19.7 14.6 21.8

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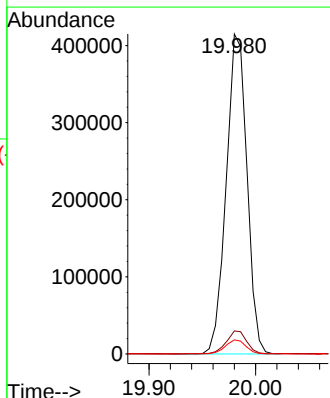
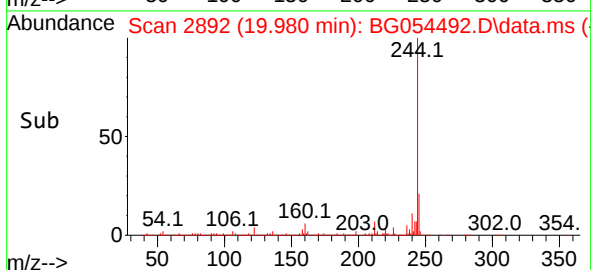
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

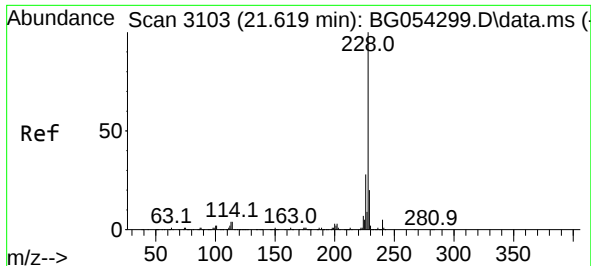


#79
Terphenyl-d14
Concen: 77.146 ng
RT: 19.980 min Scan# 2892
Delta R.T. -0.000 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02



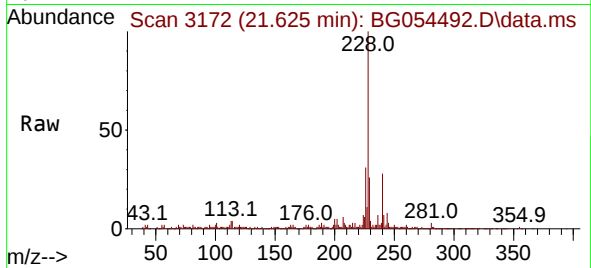
Tgt Ion:244 Resp: 561901
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 4.4 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 14.903 ng
RT: 21.625 min Scan# 3103
Delta R.T. 0.012 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

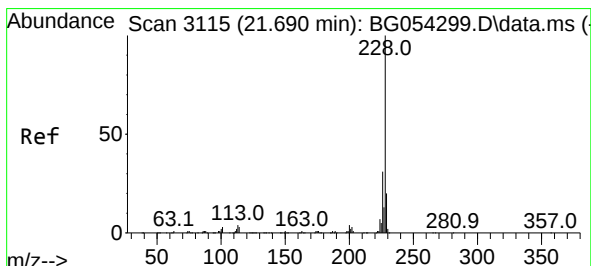
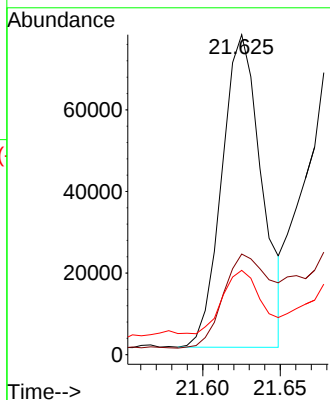
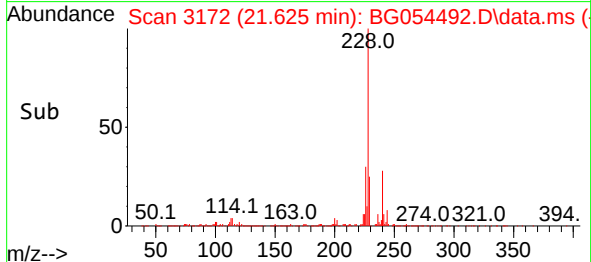
Instrument :
BNA_G
ClientSampleId :
RVE-55



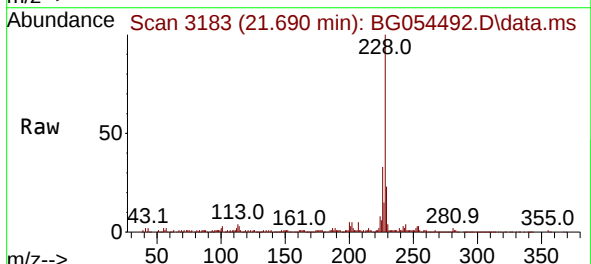
Tgt Ion:228 Resp: 136697
Ion Ratio Lower Upper
228 100
226 31.5 21.6 32.4
229 26.4 16.2 24.2

Manual Integrations
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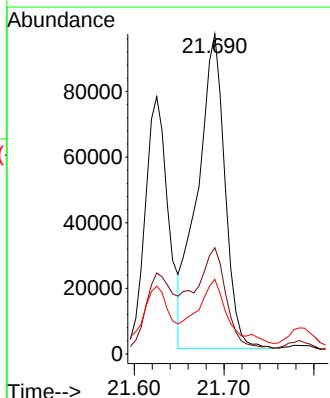
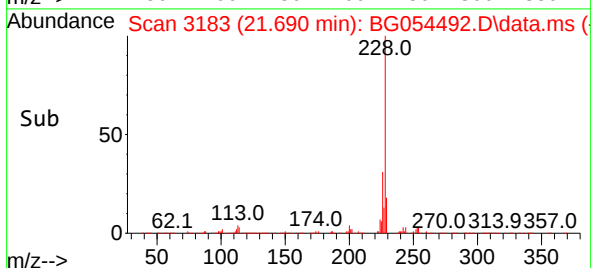
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

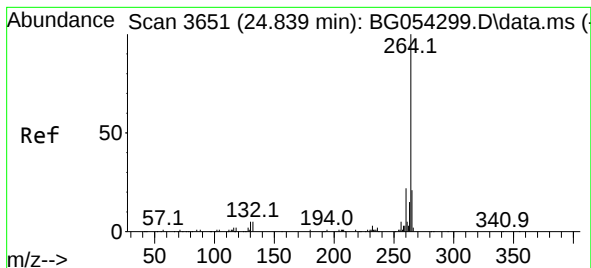


#83
Chrysene
Concen: 23.430 ng
RT: 21.690 min Scan# 3183
Delta R.T. 0.006 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02



Tgt Ion:228 Resp: 203035
Ion Ratio Lower Upper
228 100
226 33.2 23.4 35.2
229 23.3 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.857 min Scan# 31

Delta R.T. 0.023 min

Lab File: BG054492.D

Acq: 2 Aug 2022 21:02

Instrument :

BNA_G

ClientSampleId :

RVE-55

Tgt Ion:264 Resp: 12471

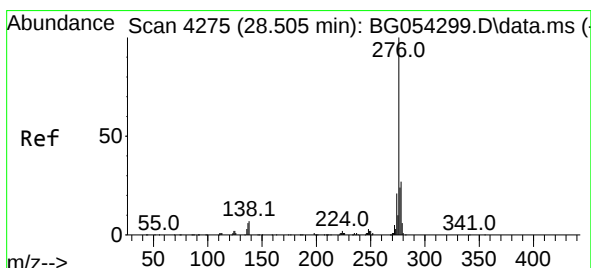
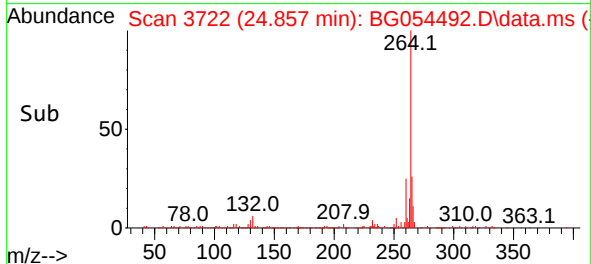
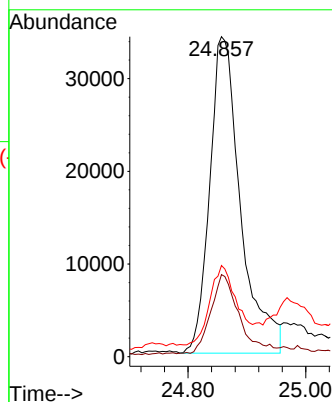
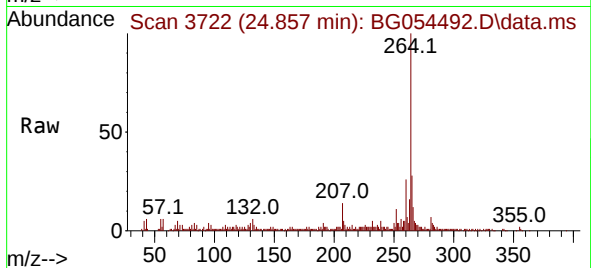
Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.0	28.6
265	28.5	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/04/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.282 ng

RT: 28.552 min Scan# 4351

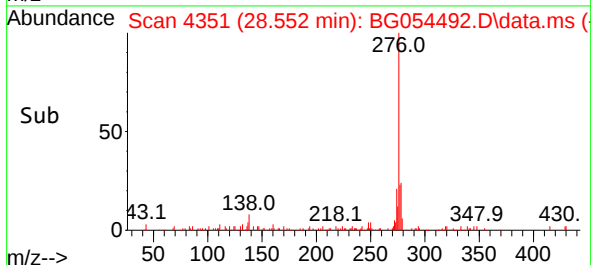
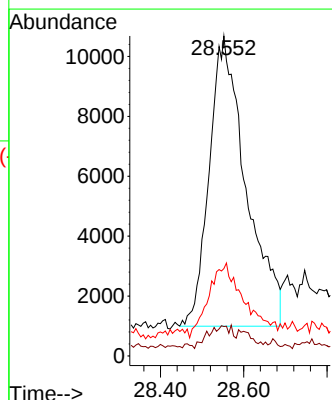
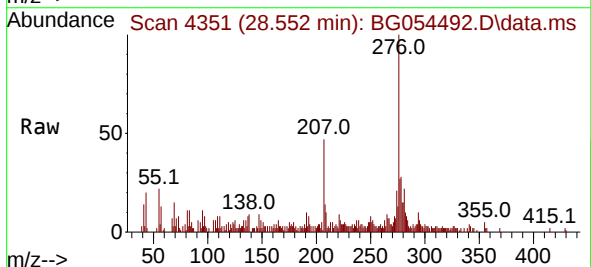
Delta R.T. 0.035 min

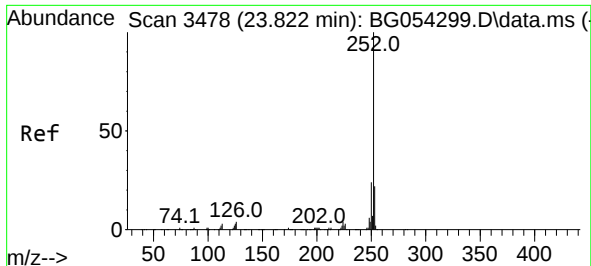
Lab File: BG054492.D

Acq: 2 Aug 2022 21:02

Tgt Ion:276 Resp: 59598

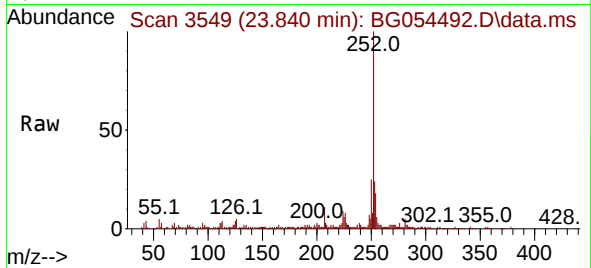
Ion	Ratio	Lower	Upper
276	100		
138	5.2	5.0	7.4
277	25.5	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 24.443 ng m
RT: 23.840 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

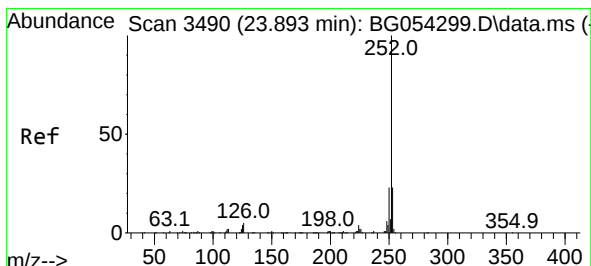
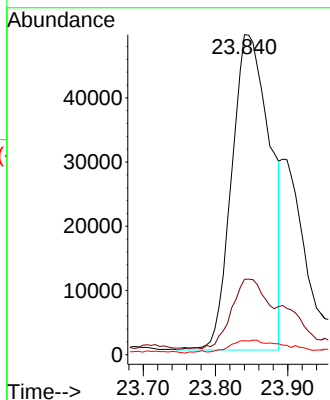
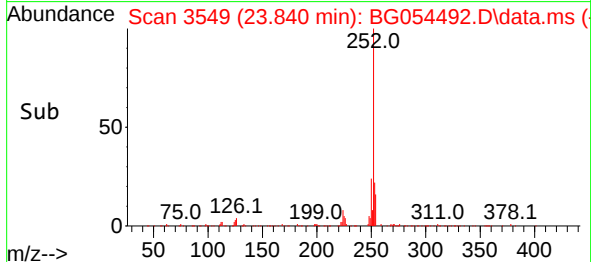
Instrument :
BNA_G
ClientSampleId :
RVE-55



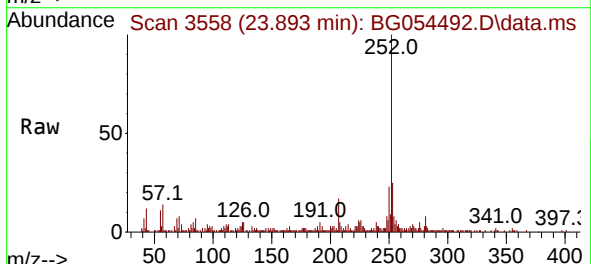
Tgt Ion:252 Resp: 180274
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 4.3 4.6 6.8

Manual Integrations
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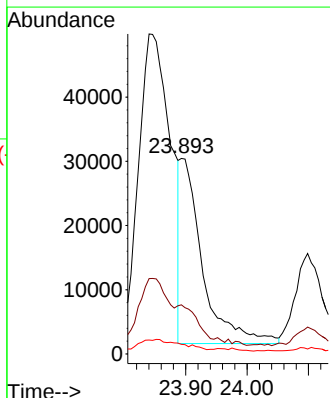
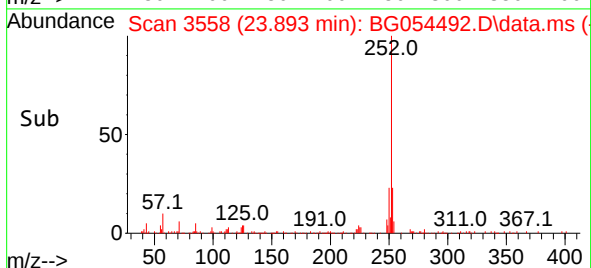
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

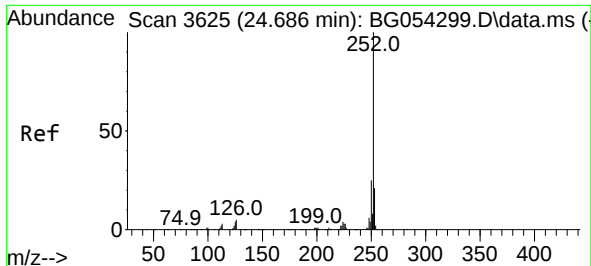


#89
Benzo(k)fluoranthene
Concen: 9.944 ng m
RT: 23.893 min Scan# 3558
Delta R.T. 0.006 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02



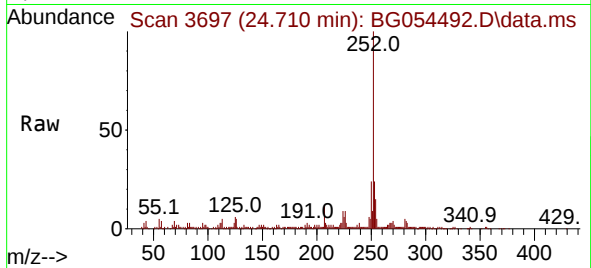
Tgt Ion:252 Resp: 72989
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 4.9 4.8 7.2





#90
Benzo(a)pyrene
Concen: 25.952 ng
RT: 24.710 min Scan# 30
Delta R.T. 0.023 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02

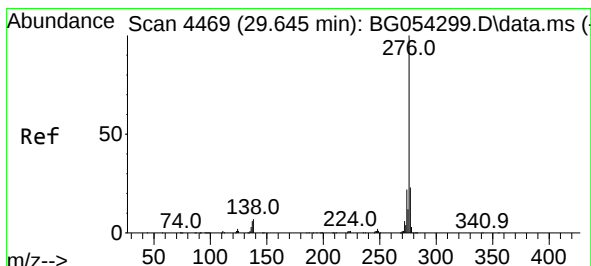
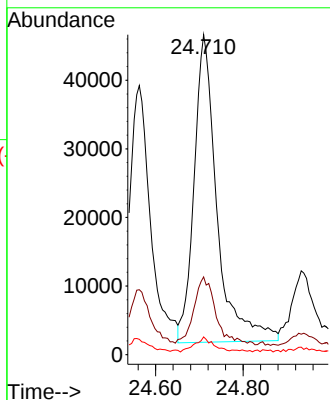
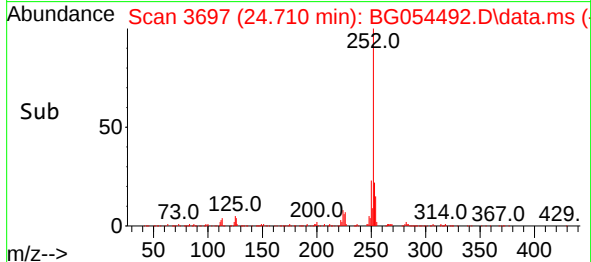
Instrument :
BNA_G
ClientSampleId :
RVE-55



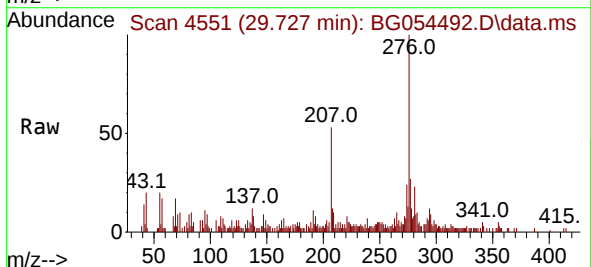
Tgt Ion:252 Resp: 163462
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 5.6 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#92
Benzo(g,h,i)perylene
Concen: 9.246 ng m
RT: 29.727 min Scan# 4551
Delta R.T. 0.064 min
Lab File: BG054492.D
Acq: 2 Aug 2022 21:02



Tgt Ion:276 Resp: 71191
Ion Ratio Lower Upper
276 100
277 27.3 17.3 25.9#
138 7.6 9.6 14.4#

