

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
 Data File : BG054464.D
 Acq On : 1 Aug 2022 14:36
 Operator : CG/JU
 Sample : N3896-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-70

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/02/2022
 Supervised By : Jagrut Upadhyay 08/02/2022

Quant Time: Aug 02 05:45:40 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	7.976	152	16130	20.000	ng	-0.01
21) Naphthalene-d8	10.790	136	61588	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	50272	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	139897	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	156406	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	165489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	81222	105.135	ng	0.00
7) Phenol-d6	7.177	99	109089	103.051	ng	0.00
23) Nitrobenzene-d5	9.145	82	73579	65.060	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	116741	110.600	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	224364	62.959	ng	0.00
79) Terphenyl-d14	19.974	244	521217	66.109	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.406	178	20098	2.885	ng	99
75) Fluoranthene	19.421	202	104054	10.957	ng	95
78) Pyrene	19.780	202	119687	13.336	ng	98
81) Benzo(a)anthracene	21.613	228	100955	10.168	ng	98
83) Chrysene	21.677	228	110669	11.798	ng	99
87) Indeno(1,2,3-cd)pyrene	28.511	276	155441	12.347	ng	# 98
88) Benzo(b)fluoranthene	23.822	252	231590	23.663	ng	# 97
89) Benzo(k)fluoranthene	23.875	252	70309m	7.219	ng	
90) Benzo(a)pyrene	24.686	252	172537m	20.643	ng	
91) Dibenzo(a,h)anthracene	28.528	278	40513m	3.913	ng	
92) Benzo(g,h,i)perylene	29.645	276	156423	15.310	ng	# 92

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

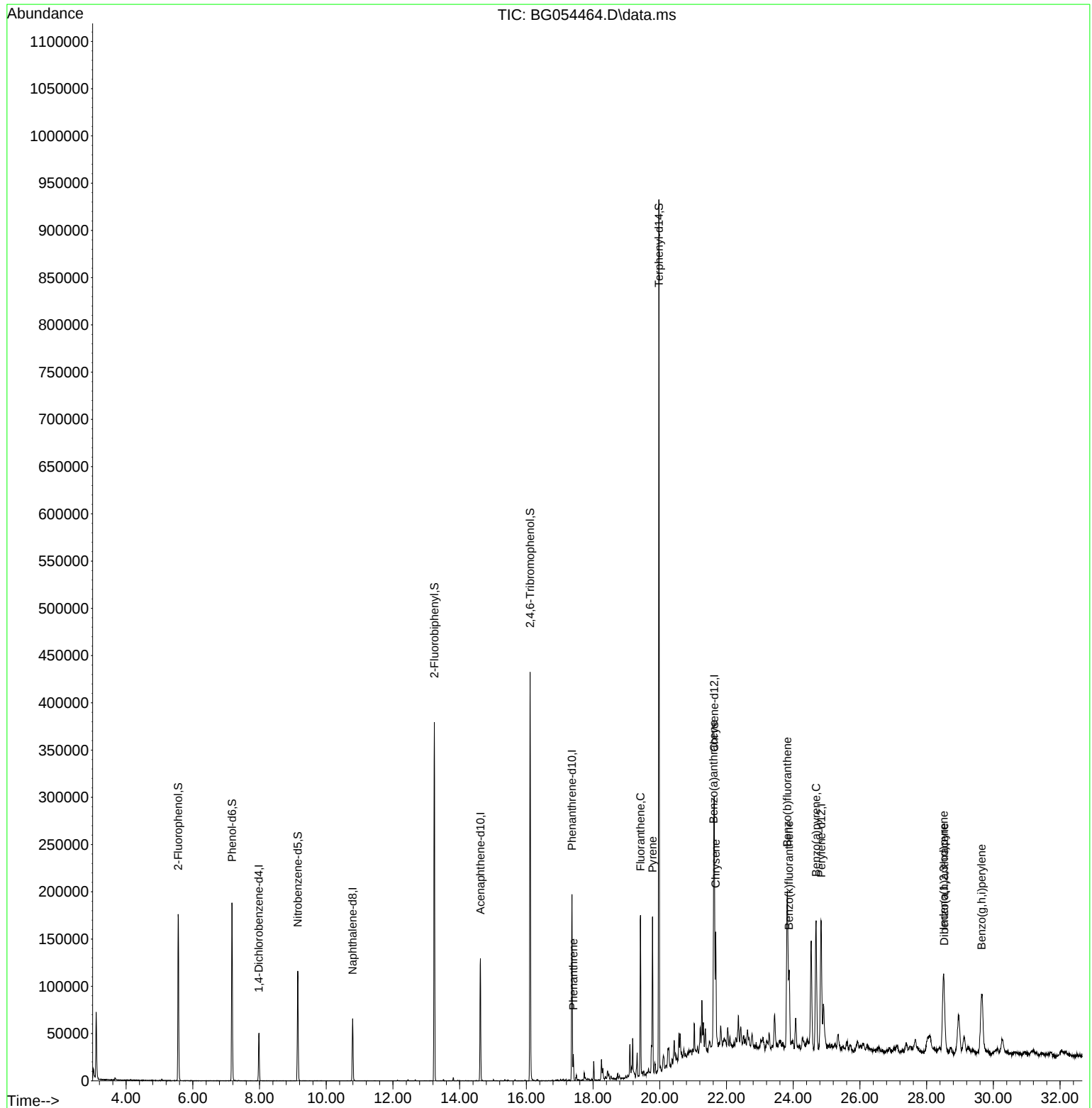
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
Data File : BG054464.D
Acq On : 1 Aug 2022 14:36
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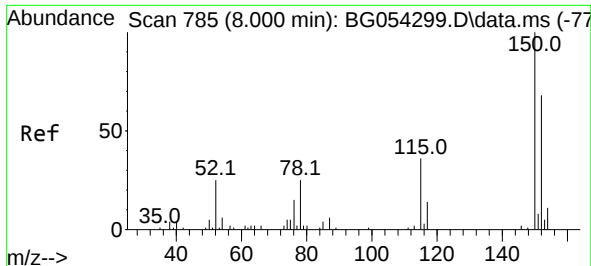
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Quant Time: Aug 02 05:45:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
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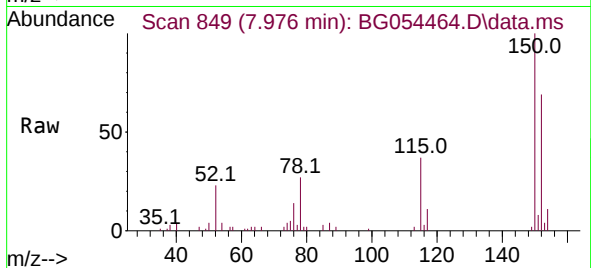
Reviewed By : Christian Giraldo 08/02/2022
Supervised By : Jagrut Upadhyay 08/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. -0.012 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

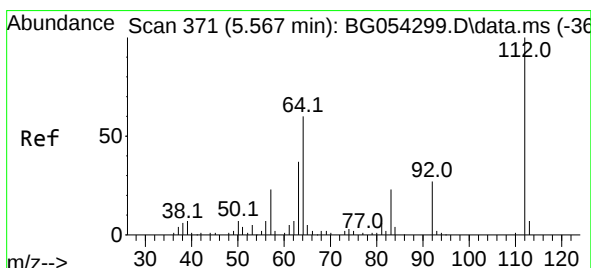
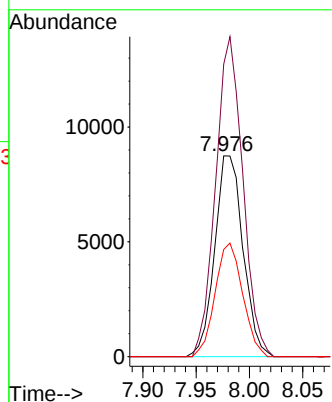
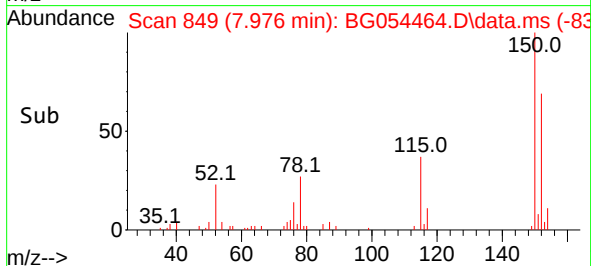
Instrument :
BNA_G
ClientSampleId :
RVE-70



Tgt Ion:152 Resp: 16130
Ion Ratio Lower Upper
152 100
150 145.6 131.6 197.4
115 53.4 50.9 76.3

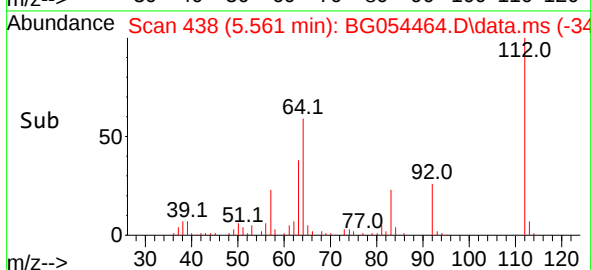
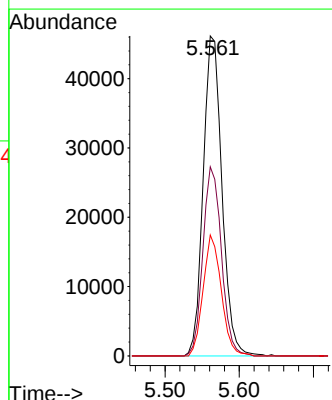
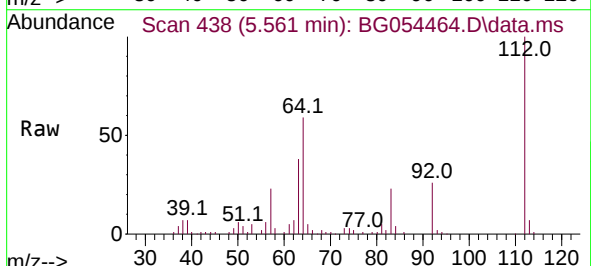
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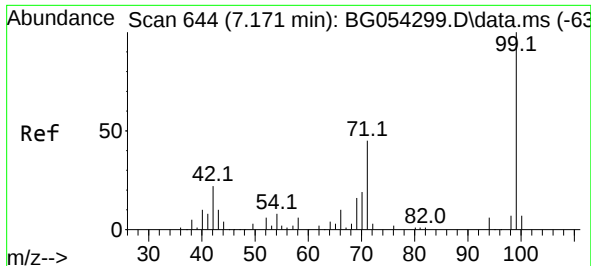
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#5
2-Fluorophenol
Concen: 105.135 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.001 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

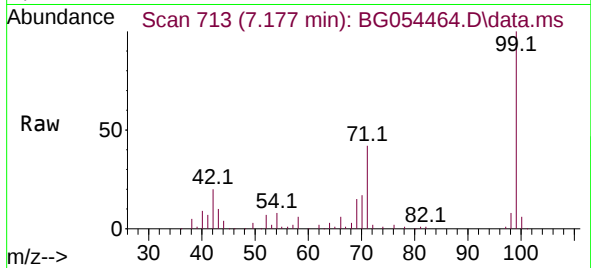
Tgt Ion:112 Resp: 81222
Ion Ratio Lower Upper
112 100
64 59.1 55.1 82.7
63 37.8 30.4 45.6





#7
Phenol-d6
Concen: 103.051 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

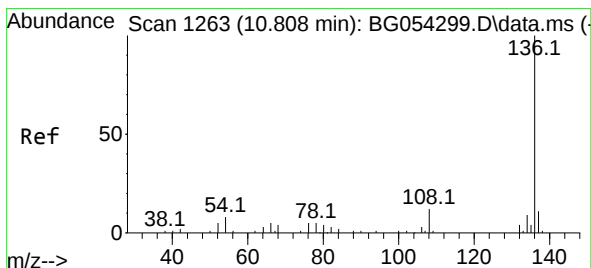
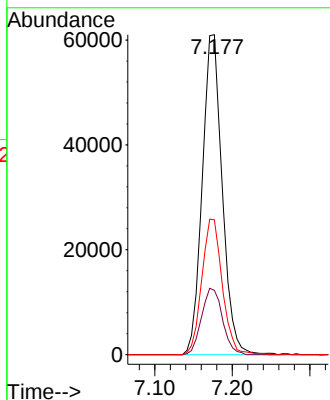
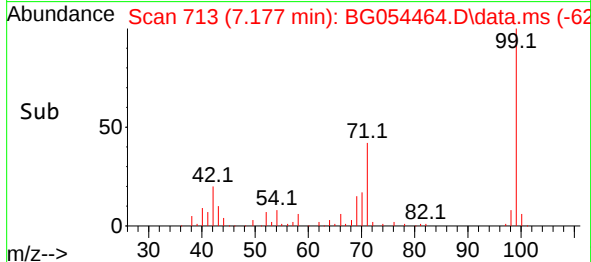
Instrument :
BNA_G
ClientSampleId :
RVE-70



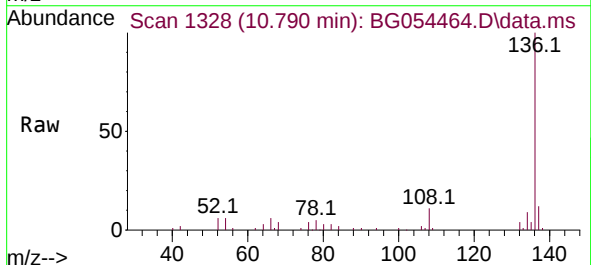
Tgt Ion: 99 Resp: 109089
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.6
71 42.1 33.8 50.8

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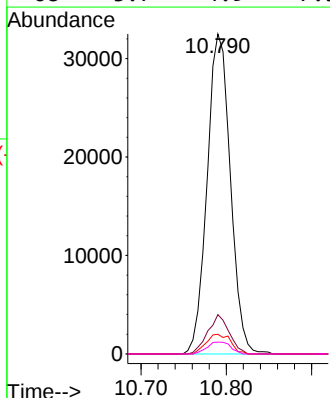
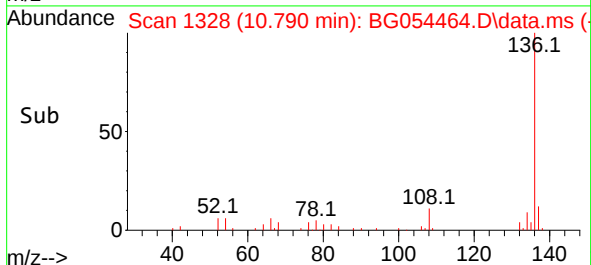
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

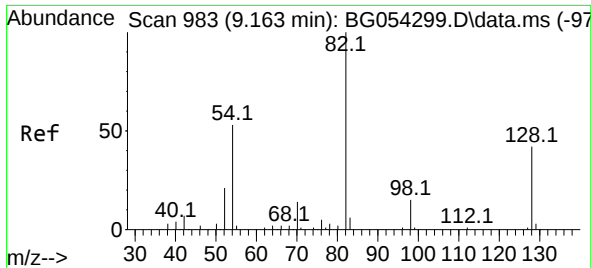


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.790 min Scan# 1328
Delta R.T. -0.007 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36



Tgt Ion:136 Resp: 61588
Ion Ratio Lower Upper
136 100
137 12.3 8.5 12.7
54 6.2 7.4 11.2#
68 3.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 65.060 ng
RT: 9.145 min Scan# 1048
Delta R.T. -0.007 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

Instrument :

BNA_G

ClientSampleId :

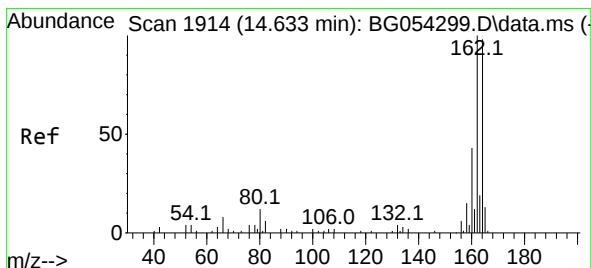
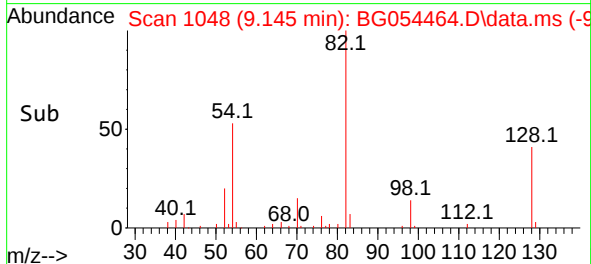
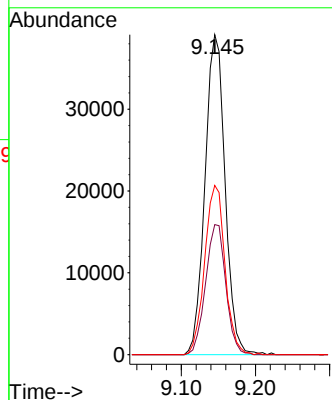
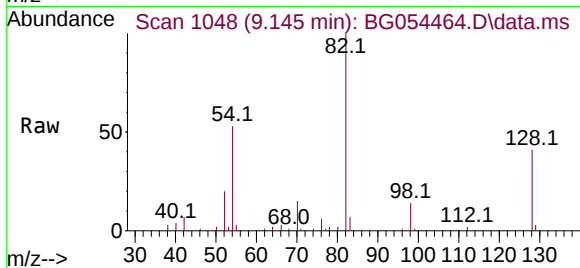
RVE-70

Tgt Ion: 82 Resp: 73579
Ion Ratio Lower Upper
82 100
128 40.6 27.9 41.9
54 52.9 41.2 61.8

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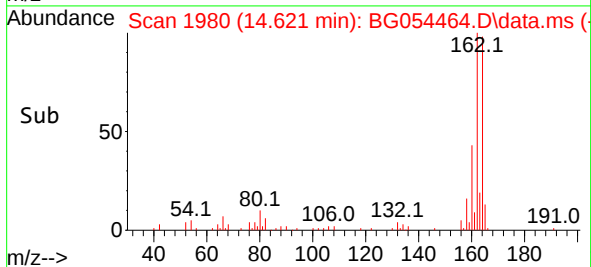
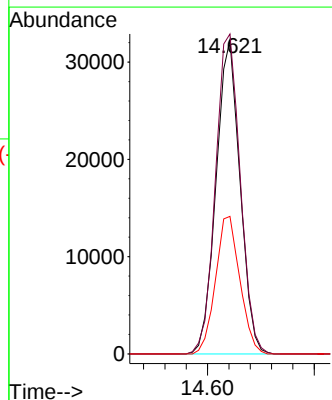
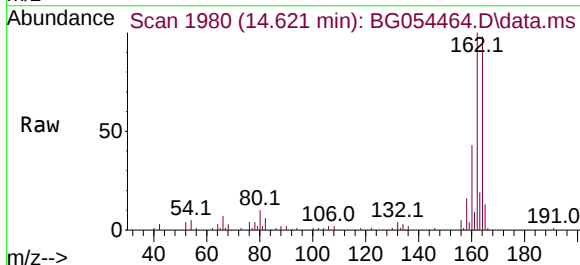
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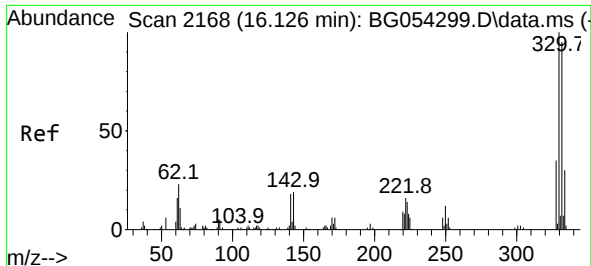
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

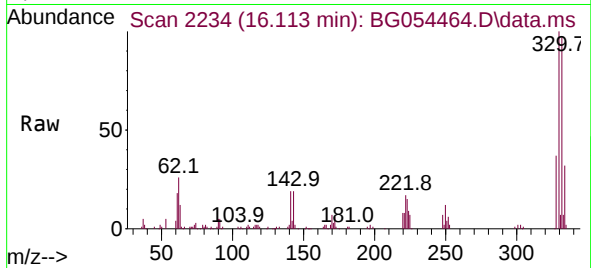
Tgt Ion:164 Resp: 50272
Ion Ratio Lower Upper
164 100
162 102.0 82.3 123.5
160 43.8 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 110.600 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

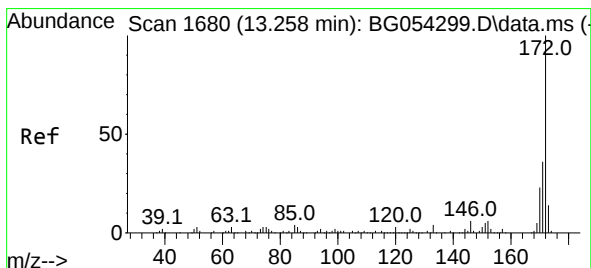
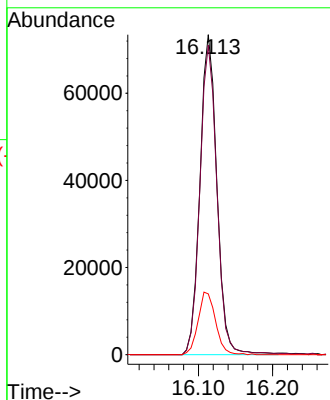
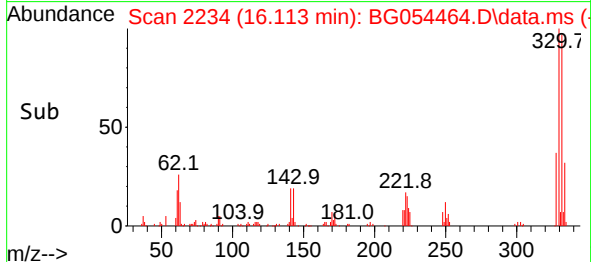
Instrument :
BNA_G
ClientSampleId :
RVE-70



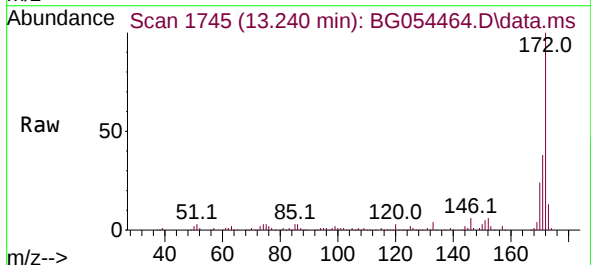
Tgt Ion:330 Resp: 11674
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 20.1 27.1 40.7

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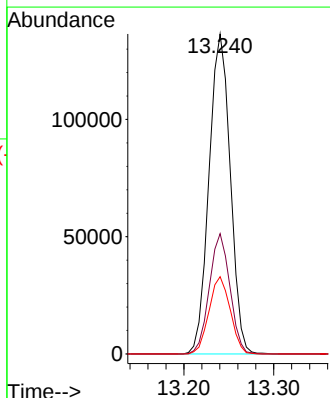
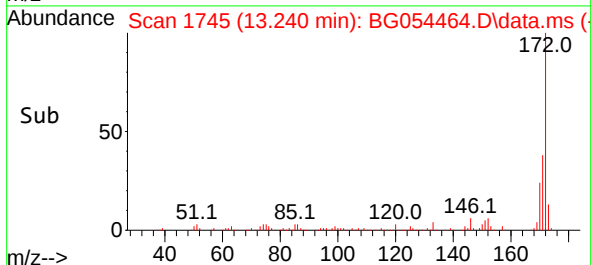
Reviewed By :Christian Giraldo 08/02/2022
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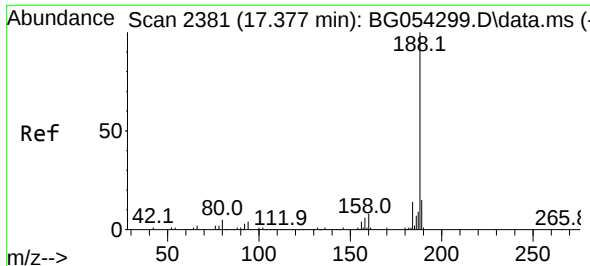


#45
2-Fluorobiphenyl
Concen: 62.959 ng
RT: 13.240 min Scan# 1745
Delta R.T. -0.007 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36



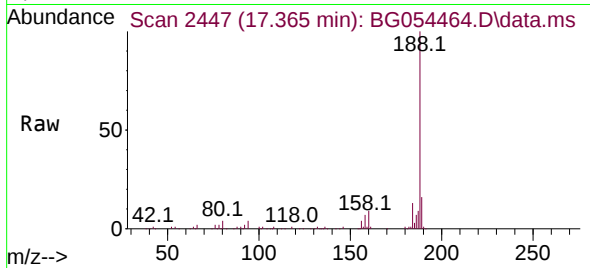
Tgt Ion:172 Resp: 224364
Ion Ratio Lower Upper
172 100
171 37.6 28.5 42.7
170 24.2 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

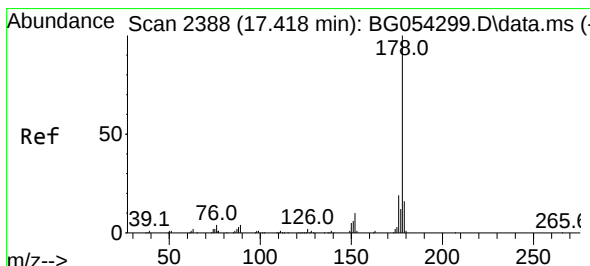
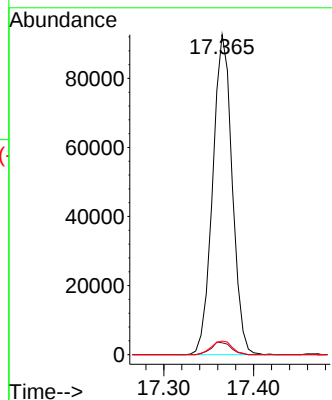
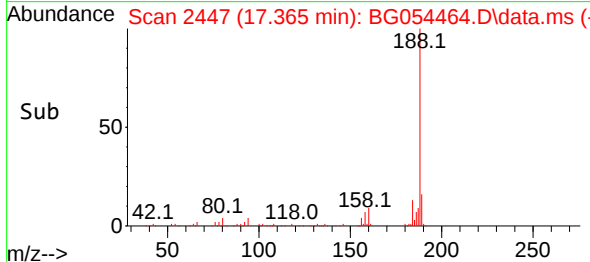
Instrument :
BNA_G
ClientSampleId :
RVE-70



Tgt Ion:188 Resp: 139897
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0
80 4.2 6.8 10.2

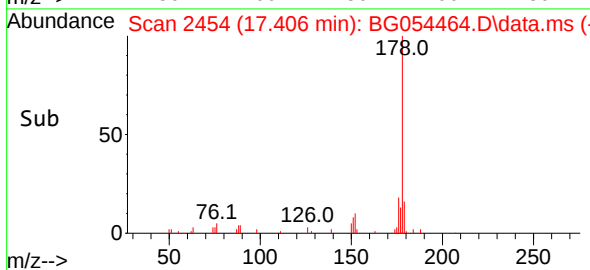
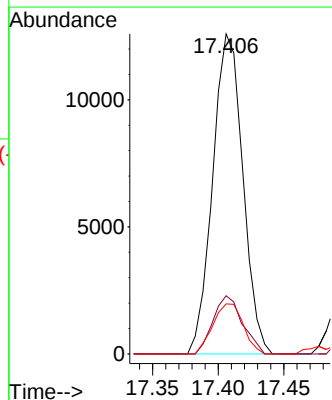
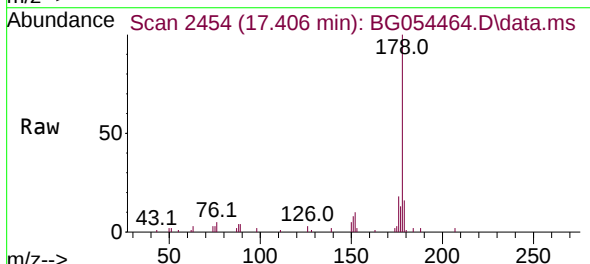
Manual Integrations
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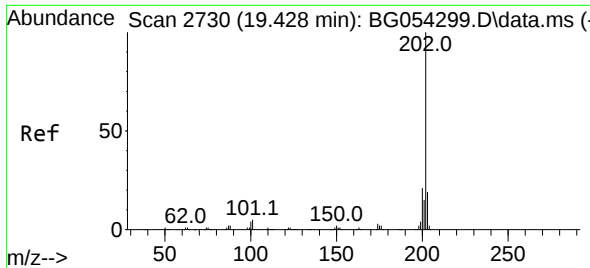
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#71
Phenanthrene
Concen: 2.885 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.007 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

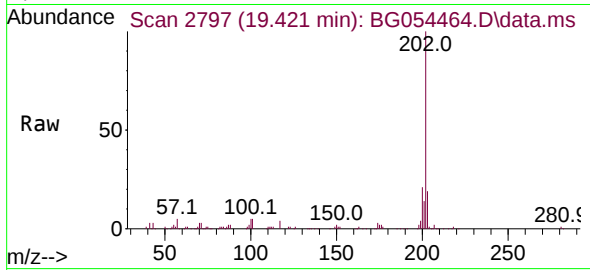
Tgt Ion:178 Resp: 20098
Ion Ratio Lower Upper
178 100
176 18.2 14.1 21.1
179 15.6 12.1 18.1





#75
Fluoranthene
Concen: 10.957 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

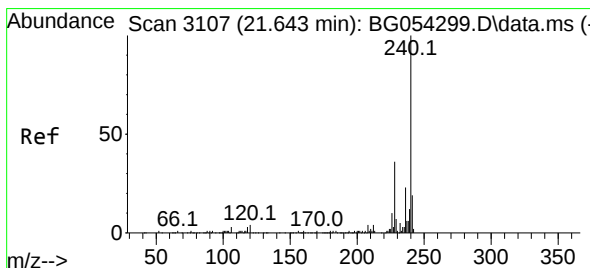
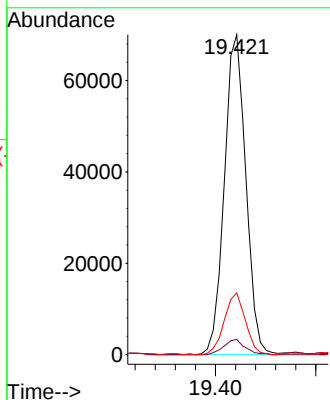
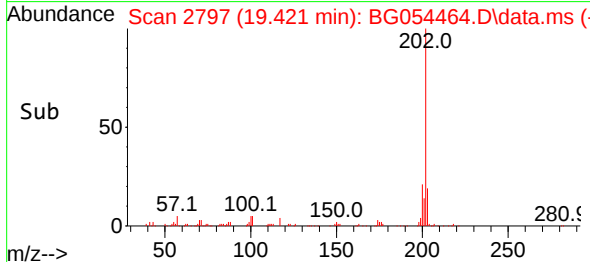
Instrument :
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Tgt Ion:202 Resp: 104054
Ion Ratio Lower Upper
202 100
101 4.8 0.0 26.9
203 19.3 0.0 37.2

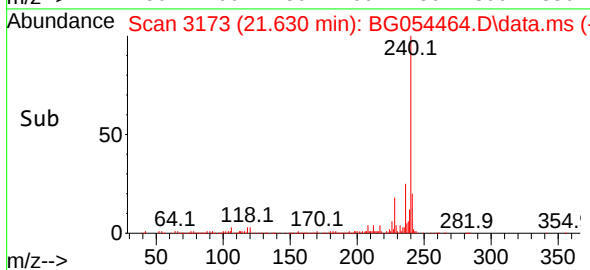
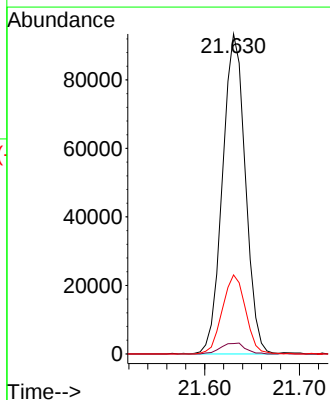
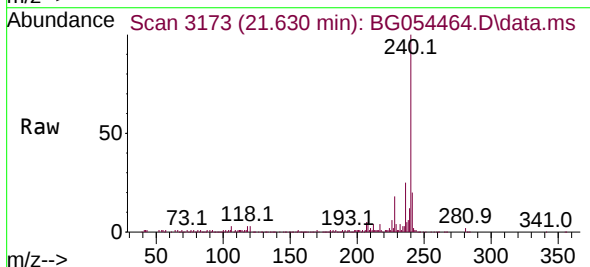
Manual Integrations
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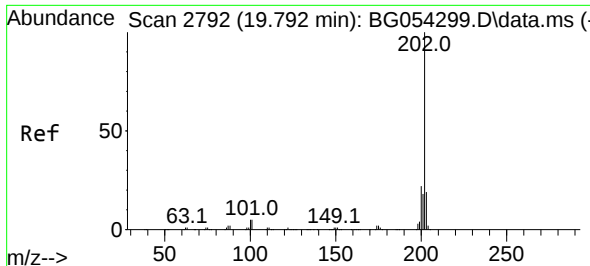
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.007 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

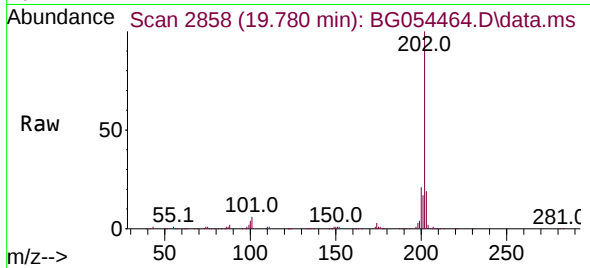
Tgt Ion:240 Resp: 156406
Ion Ratio Lower Upper
240 100
120 3.2 4.6 7.0#
236 24.7 20.2 30.4





#78
 Pyrene
 Concen: 13.336 ng
 RT: 19.780 min Scan# 2858
 Delta R.T. -0.007 min
 Lab File: BG054464.D
 Acq: 1 Aug 2022 14:36

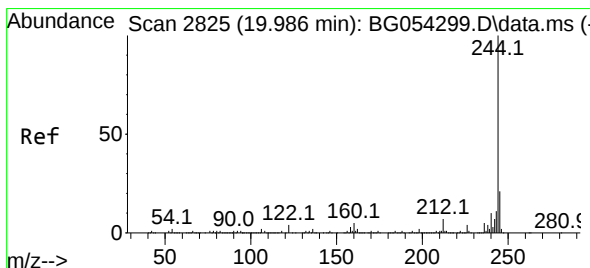
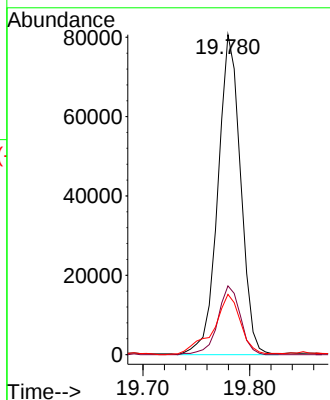
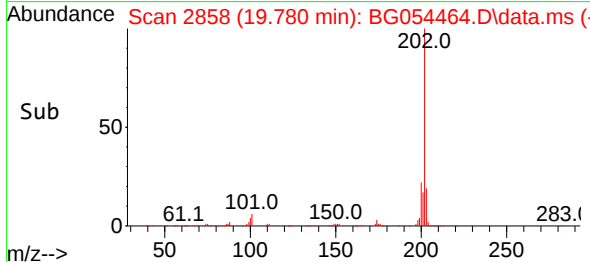
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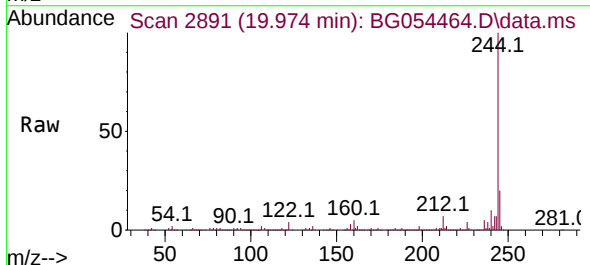
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 Ion Ratio Lower Upper
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 200 21.5 16.6 24.8
 203 18.8 14.6 21.8

Manual Integrations
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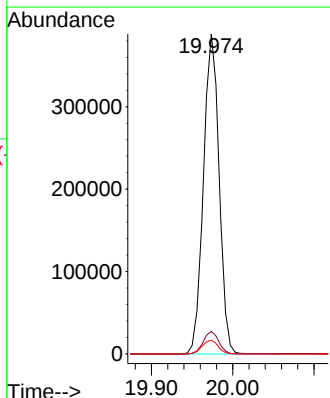
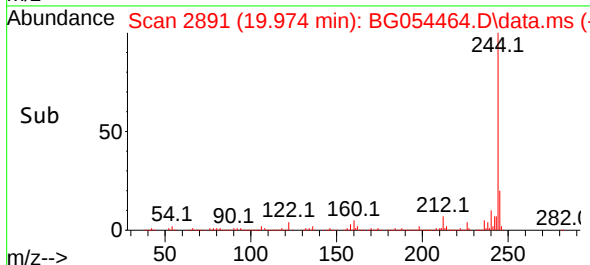
Reviewed By :Christian Giraldo 08/02/2022
 Supervised By :Jagrut Upadhyay 08/02/2022

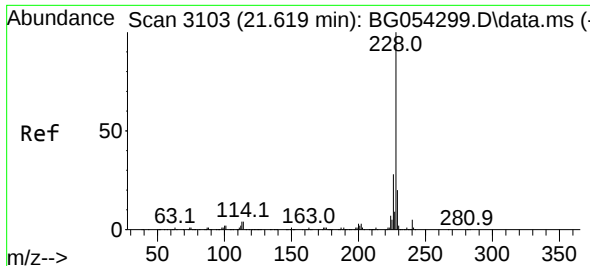


#79
 Terphenyl-d14
 Concen: 66.109 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. -0.007 min
 Lab File: BG054464.D
 Acq: 1 Aug 2022 14:36



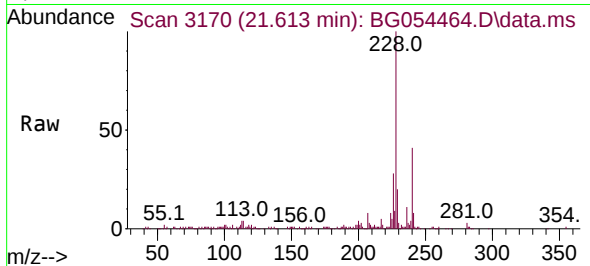
Tgt Ion:244 Resp: 521217
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.3 5.0 7.4





#81
Benzo(a)anthracene
Concen: 10.168 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.001 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

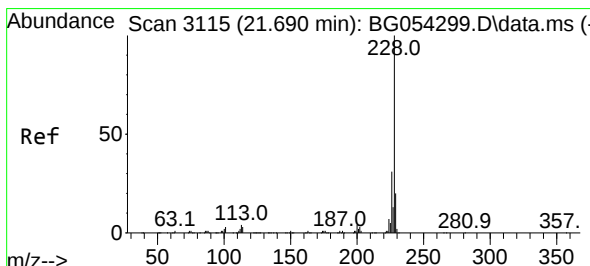
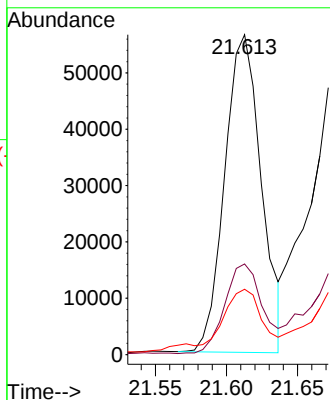
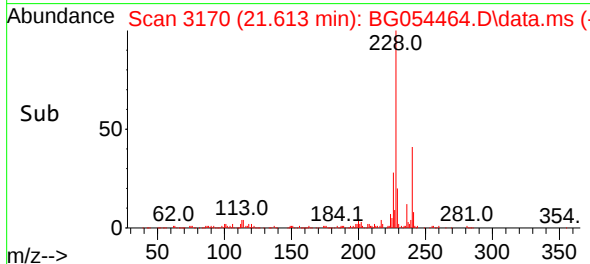
Instrument :
BNA_G
ClientSampleId :
RVE-70



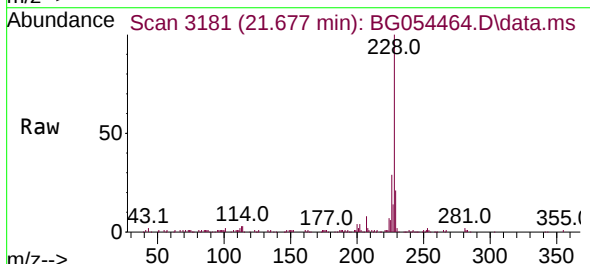
Tgt Ion:228 Resp: 100955
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 20.4 16.2 24.2

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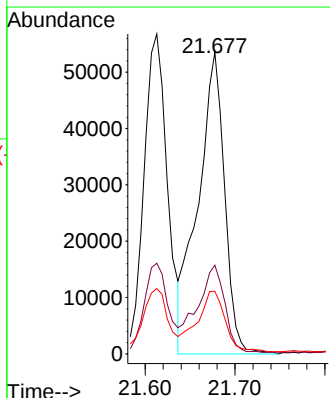
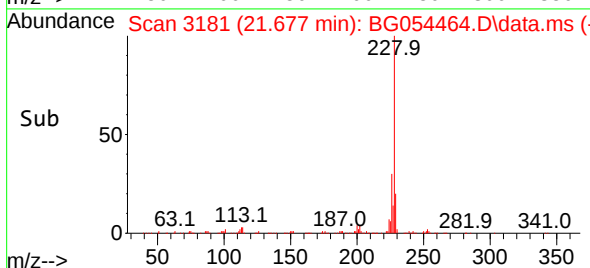
Reviewed By :Christian Giraldo 08/02/2022
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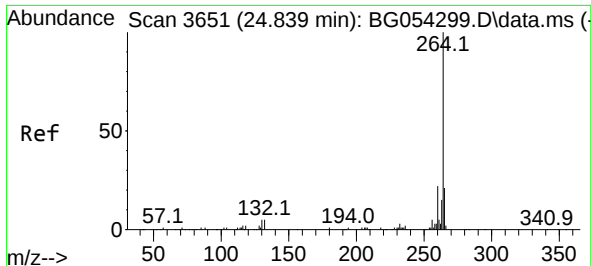


#83
Chrysene
Concen: 11.798 ng
RT: 21.677 min Scan# 3181
Delta R.T. -0.007 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36



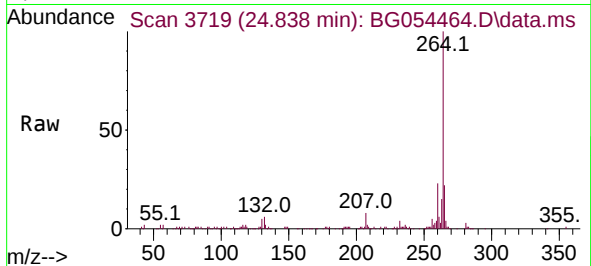
Tgt Ion:228 Resp: 110669
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.2
229 20.8 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.838 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

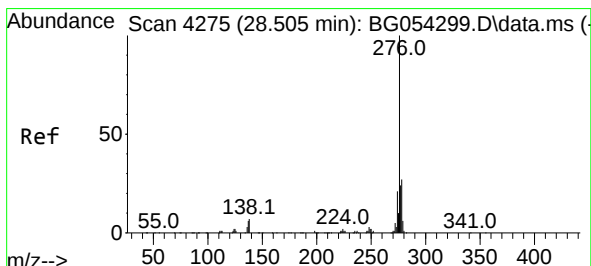
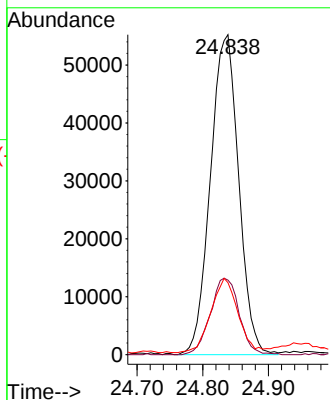
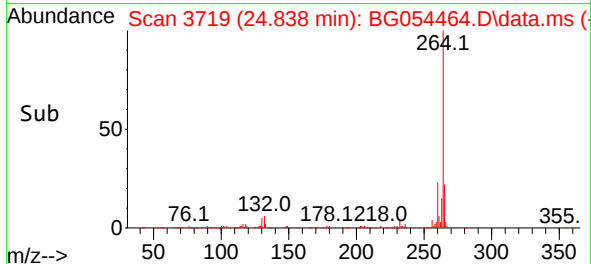
Instrument :
BNA_G
ClientSampleId :
RVE-70



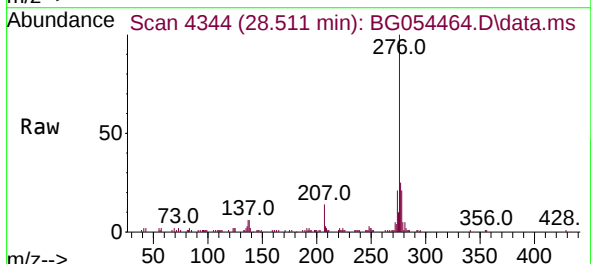
Tgt Ion:264 Resp: 165489
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.6
265 22.5 17.4 26.2

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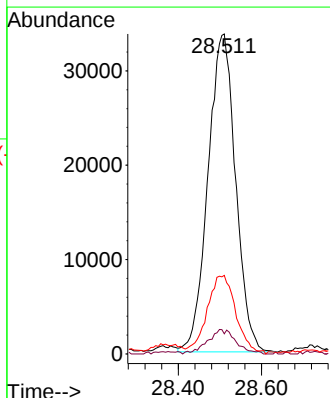
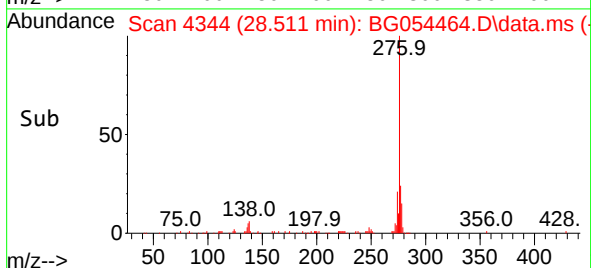
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

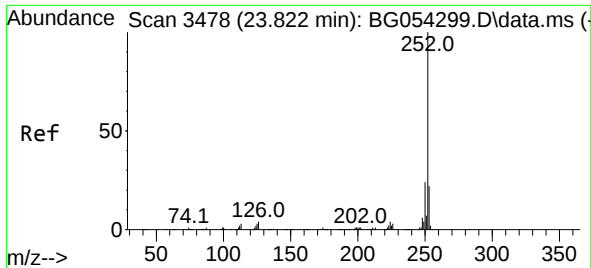


#87
Indeno(1,2,3-cd)pyrene
Concen: 12.347 ng
RT: 28.511 min Scan# 4344
Delta R.T. -0.007 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36



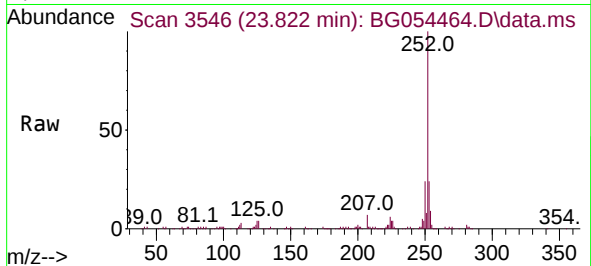
Tgt Ion:276 Resp: 155441
Ion Ratio Lower Upper
276 100
138 7.8 5.0 7.4#
277 25.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 23.663 ng
RT: 23.822 min Scan# 3546
Delta R.T. -0.001 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

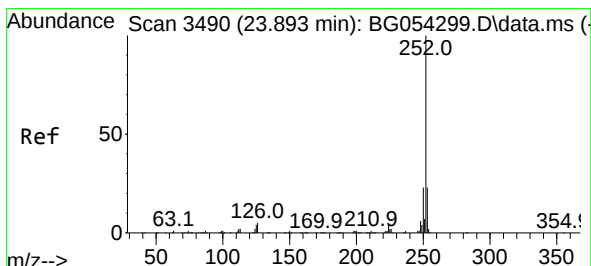
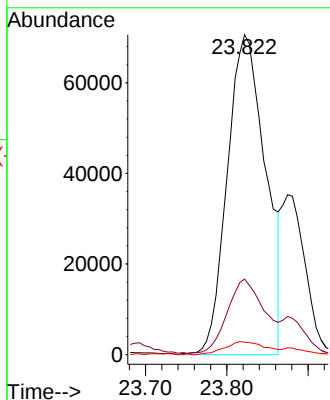
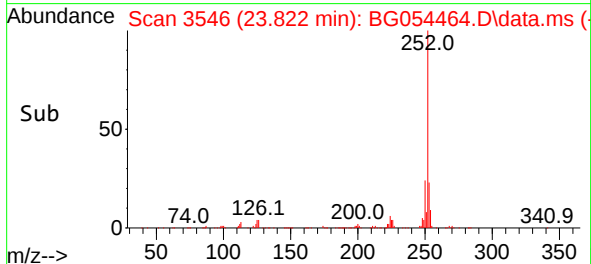
Instrument :
BNA_G
ClientSampleId :
RVE-70



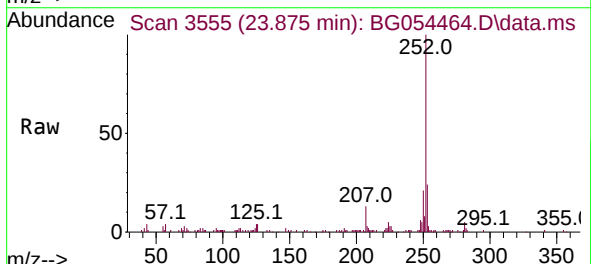
Tgt Ion:252 Resp: 231590
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 3.9 4.6 6.8

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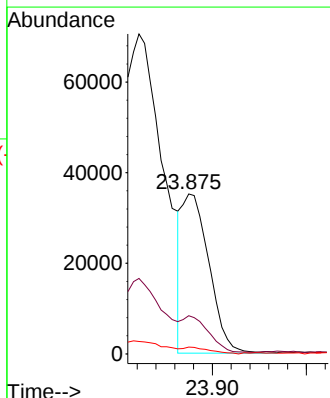
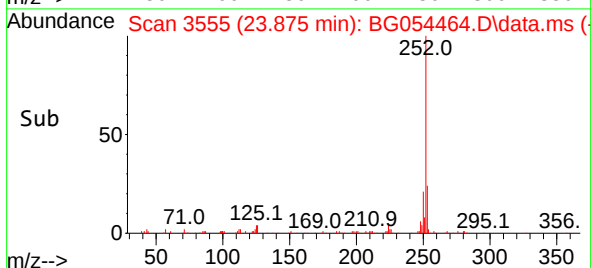
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

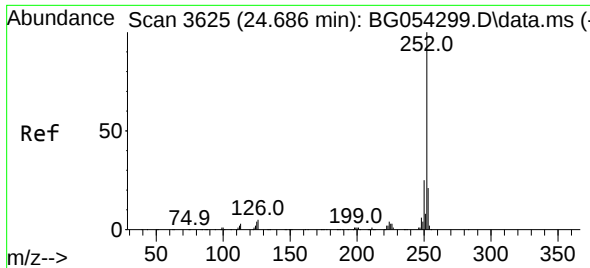


#89
Benzo(k)fluoranthene
Concen: 7.219 ng m
RT: 23.875 min Scan# 3555
Delta R.T. -0.013 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36



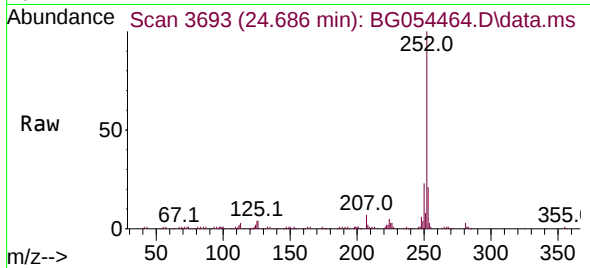
Tgt Ion:252 Resp: 70309
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 4.3 4.8 7.2





#90
Benzo(a)pyrene
Concen: 20.643 ng m
RT: 24.686 min Scan# 3625
Delta R.T. -0.001 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36

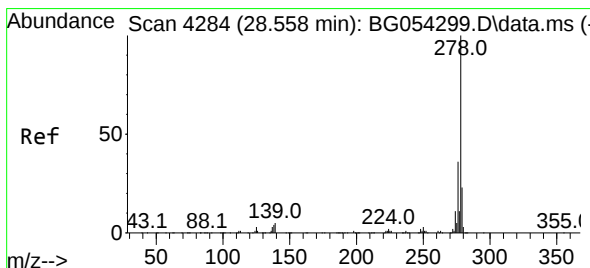
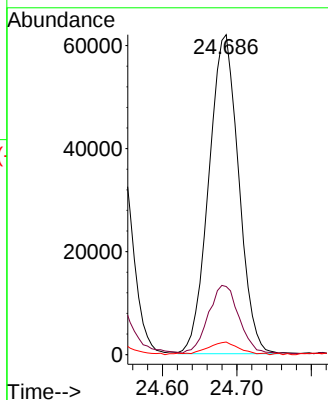
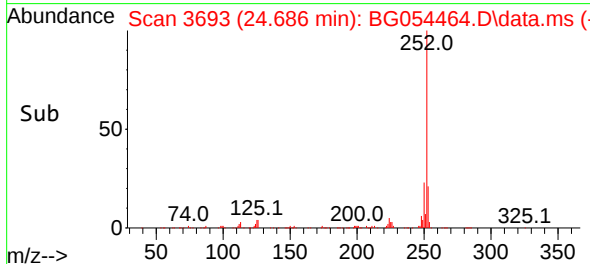
Instrument :
BNA_G
ClientSampleId :
RVE-70



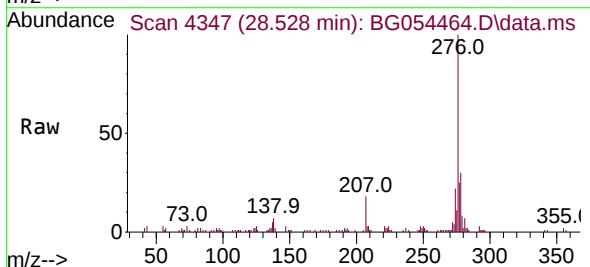
Tgt Ion:252 Resp: 172537
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.8
125 3.9 4.3 6.5

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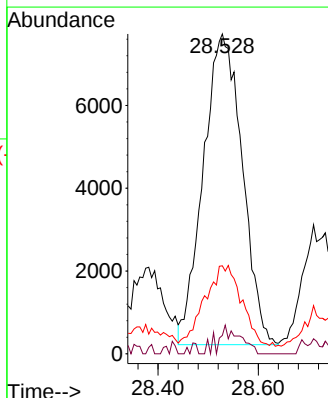
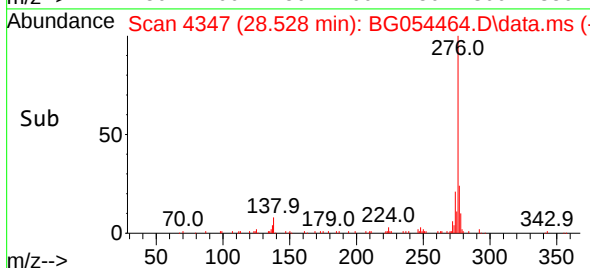
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Supervised By :Jagrut Upadhyay 08/02/2022

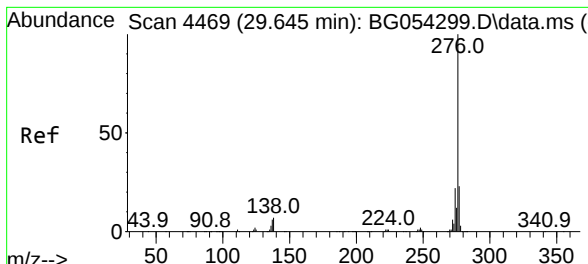


#91
Dibenzo(a,h)anthracene
Concen: 3.913 ng m
RT: 28.528 min Scan# 4347
Delta R.T. -0.036 min
Lab File: BG054464.D
Acq: 1 Aug 2022 14:36



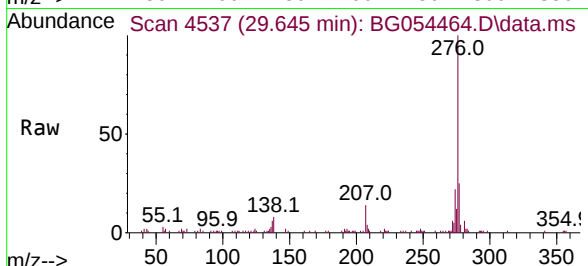
Tgt Ion:278 Resp: 40513
Ion Ratio Lower Upper
278 100
139 5.8 7.2 10.8
279 27.5 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 15.310 ng
 RT: 29.645 min Scan# 4469
 Delta R.T. -0.018 min
 Lab File: BG054464.D
 Acq: 1 Aug 2022 14:36

Instrument :
 BNA_G
 ClientSampleId :
 RVE-70



Tgt Ion:276 Resp: 156423
 Ion Ratio Lower Upper
 276 100
 277 24.6 17.3 25.9
 138 7.6 9.6 14.4

Manual Integrations
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