

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054544.D
 Acq On : 5 Aug 2022 21:11
 Operator : CG/JU
 Sample : N3961-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-185

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 05:40:46 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	7.981	152	19826	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	75935	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	56306	20.000	ng	0.00
64) Phenanthrene-d10	17.364	188	132469	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	140712	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	141082	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.566	112	110918	116.808	ng	0.00
7) Phenol-d6	7.182	99	147142	113.086	ng	0.01
23) Nitrobenzene-d5	9.145	82	98227	70.444	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	118805	100.493	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	287325	71.987	ng	-0.01
79) Terphenyl-d14	19.973	244	516748	72.853	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.406	178	51674	7.833	ng	97
75) Fluoranthene	19.421	202	110584	12.297	ng	94
78) Pyrene	19.779	202	132341	16.391	ng	99
81) Benzo(a)anthracene	21.612	228	71304	7.983	ng	94
83) Chrysene	21.677	228	78910m	9.351	ng	
87) Indeno(1,2,3-cd)pyrene	28.516	276	36565	3.407	ng	# 91
88) Benzo(b)fluoranthene	23.822	252	80601m	9.660	ng	
89) Benzo(k)fluoranthene	23.874	252	36934m	4.448	ng	
90) Benzo(a)pyrene	24.685	252	66079	9.274	ng	99
92) Benzo(g,h,i)perylene	29.668	276	37434	4.298	ng	# 90

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

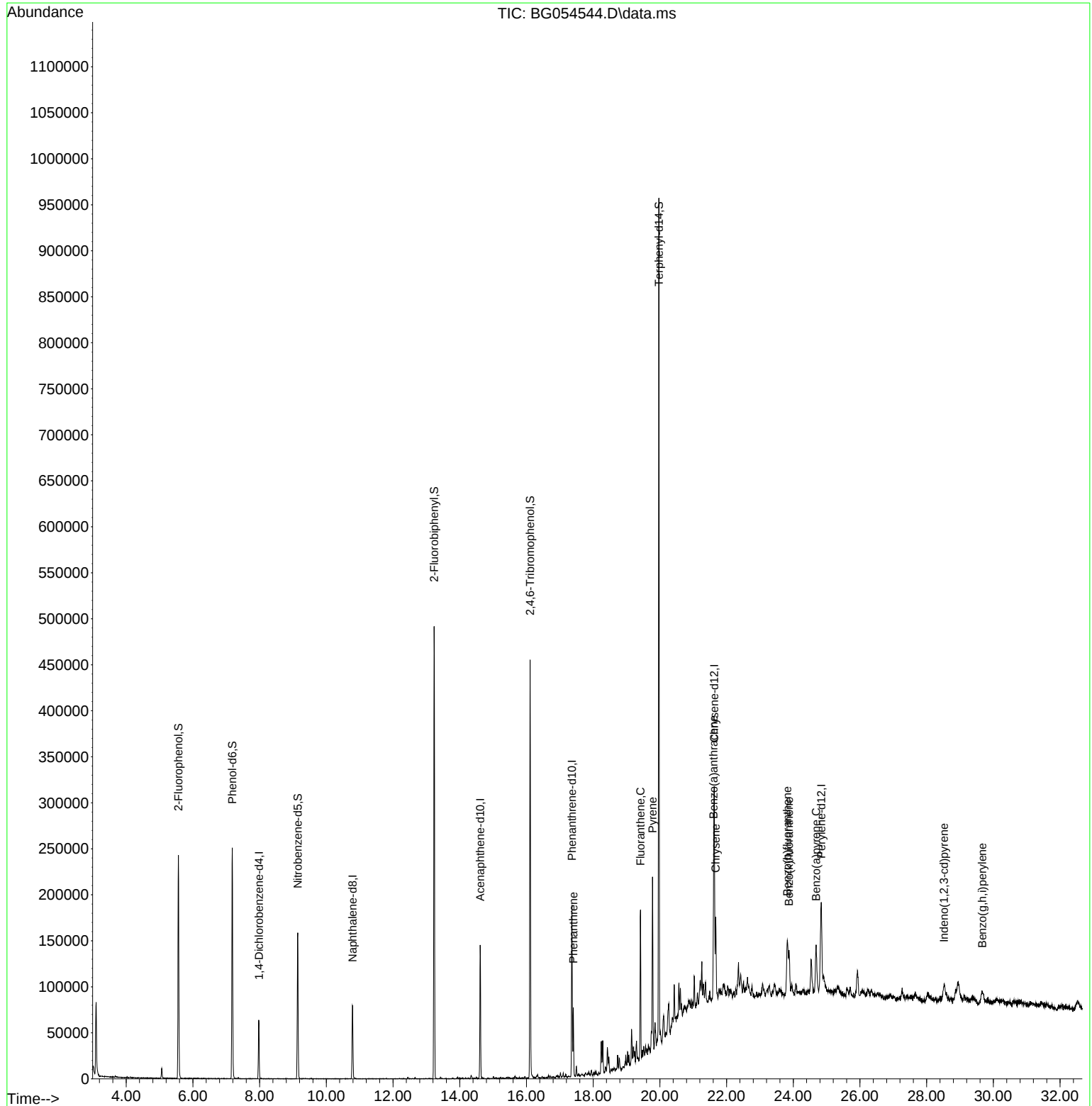
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
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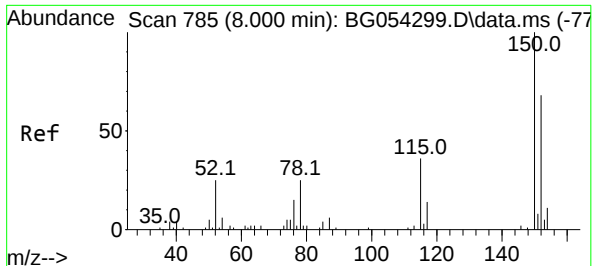
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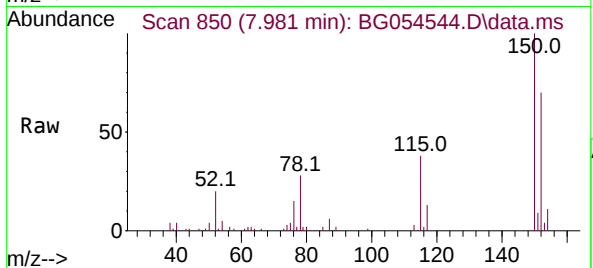
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.981 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

Instrument :

BNA_G

ClientSampleId :

RVE-185

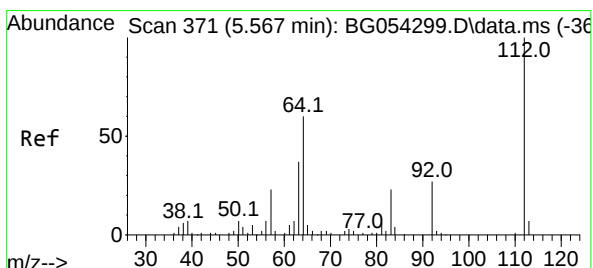
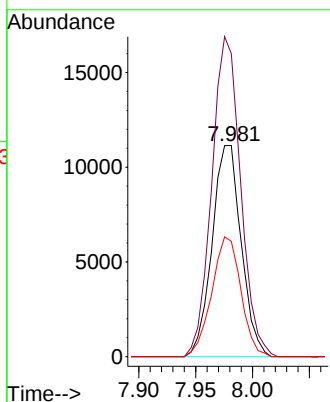
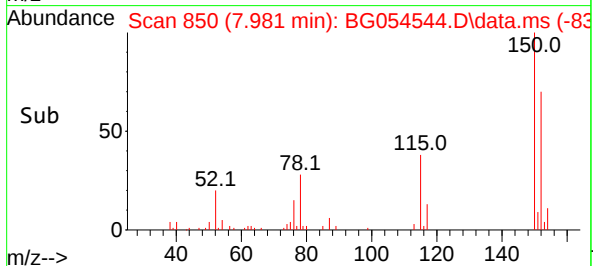


Tgt Ion:152 Resp: 19826
Ion Ratio Lower Upper
152 100
150 143.5 131.6 197.4
115 54.6 50.9 76.3

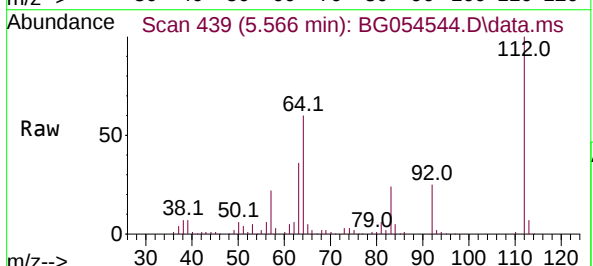
Manual Integrations

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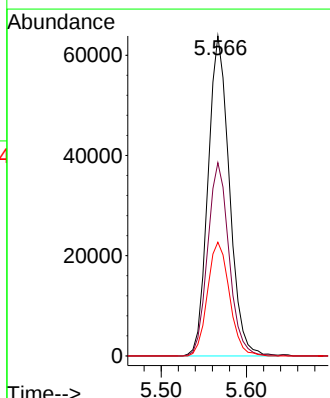
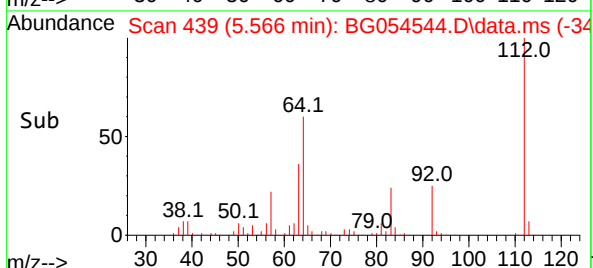
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

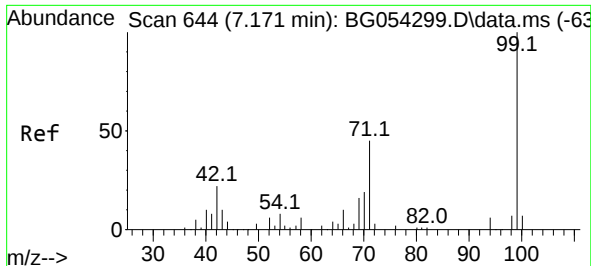


#5
2-Fluorophenol
Concen: 116.808 ng
RT: 5.566 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11



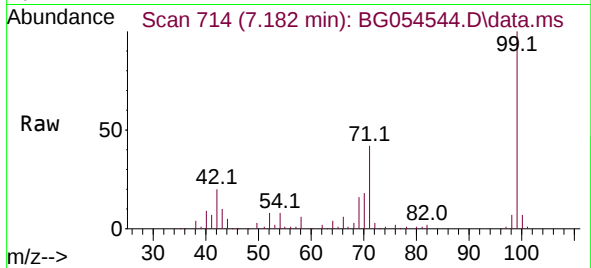
Tgt Ion:112 Resp: 110918
Ion Ratio Lower Upper
112 100
64 60.4 55.1 82.7
63 35.5 30.4 45.6





#7
Phenol-d6
Concen: 113.086 ng
RT: 7.182 min Scan# 71
Delta R.T. 0.011 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

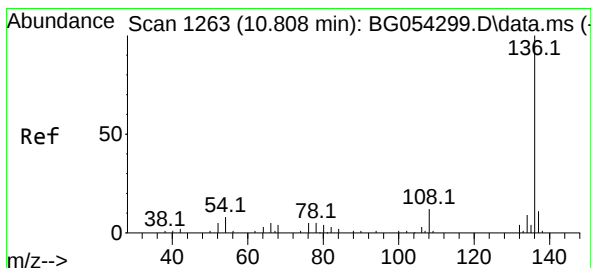
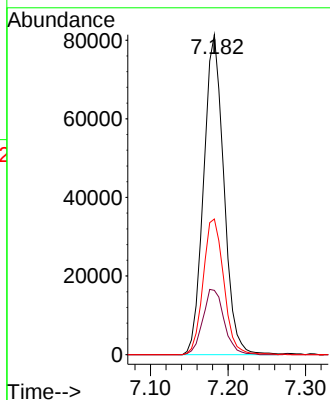
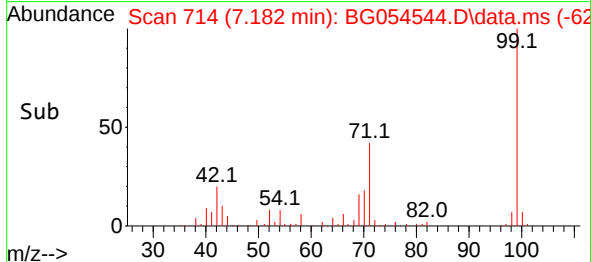
Instrument :
BNA_G
ClientSampleId :
RVE-185



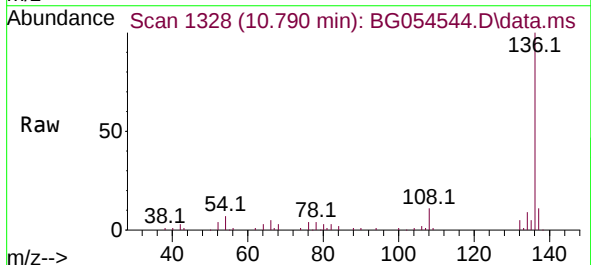
Tgt Ion: 99 Resp: 147142
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.6
71 42.4 33.8 50.8

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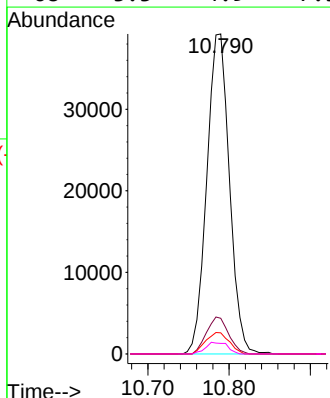
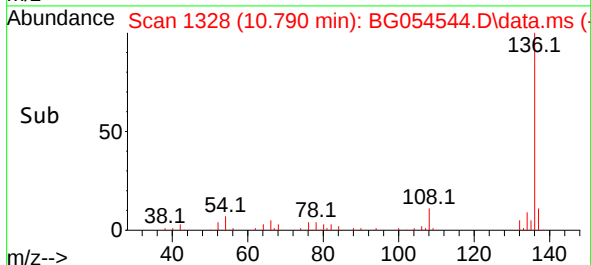
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

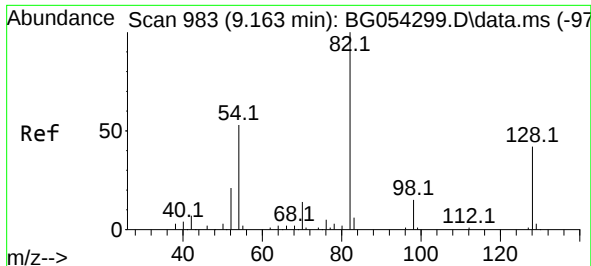


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.790 min Scan# 1328
Delta R.T. -0.007 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11



Tgt Ion:136 Resp: 75935
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 6.6 7.4 11.2#
68 3.3 4.9 7.3#





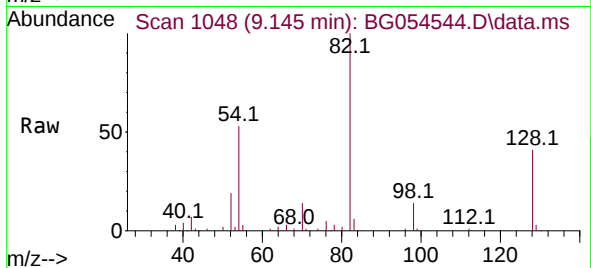
#23
Nitrobenzene-d5
Concen: 70.444 ng
RT: 9.145 min Scan# 10
Delta R.T. -0.007 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

Instrument :

BNA_G

ClientSampleId :

RVE-185

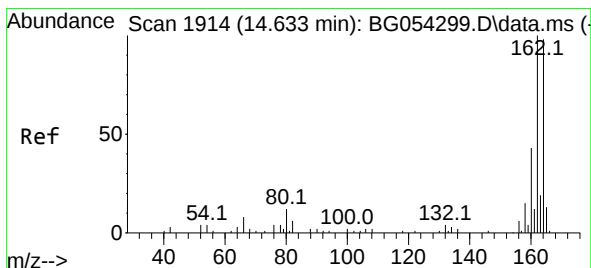
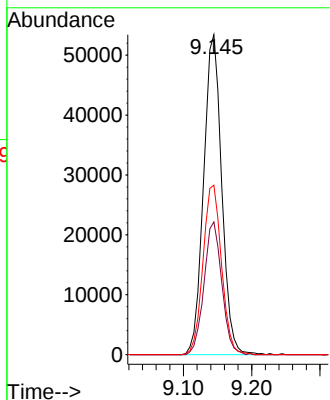
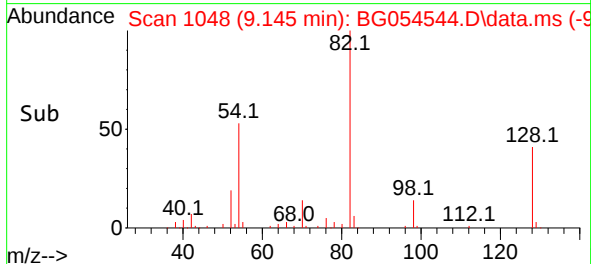


Tgt Ion: 82 Resp: 98227
Ion Ratio Lower Upper
82 100
128 41.5 27.9 41.9
54 52.9 41.2 61.8

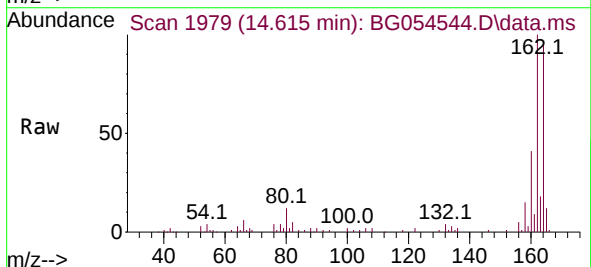
Manual Integrations

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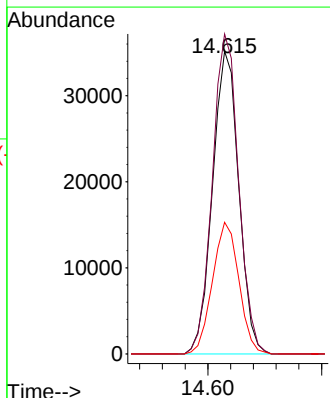
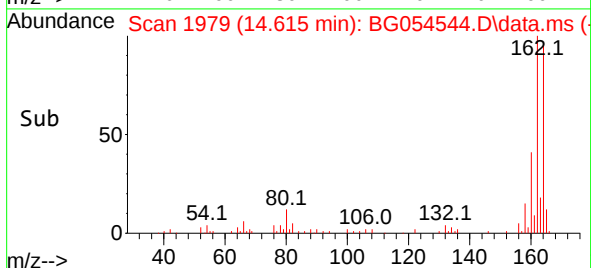
Reviewed By :Christian Giraldo 08/08/2022
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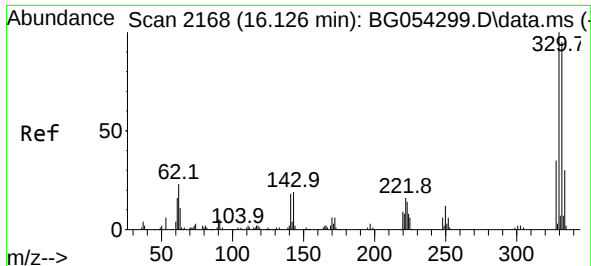


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.007 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11



Tgt Ion:164 Resp: 56306
Ion Ratio Lower Upper
164 100
162 105.7 82.3 123.5
160 43.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 100.493 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

Instrument :

BNA_G

ClientSampleId :

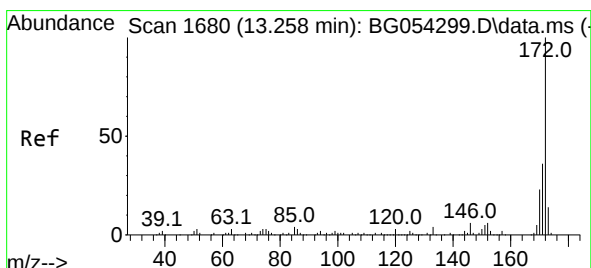
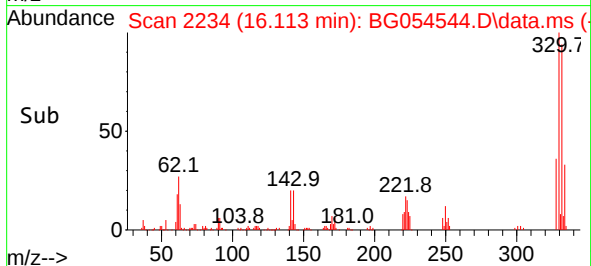
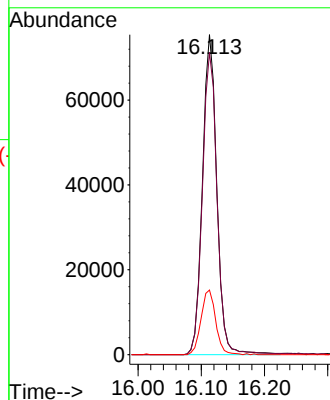
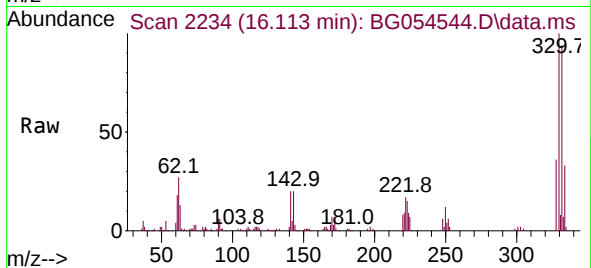
RVE-185

Tgt Ion:330 Resp: 118805
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 20.6 27.1 40.7

Manual Integrations

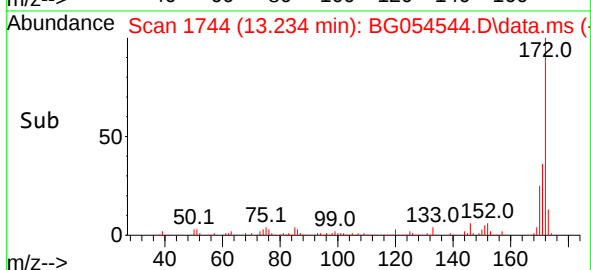
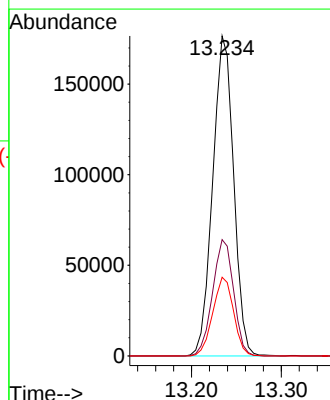
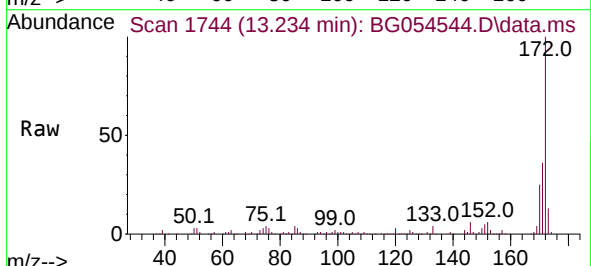
APPROVED

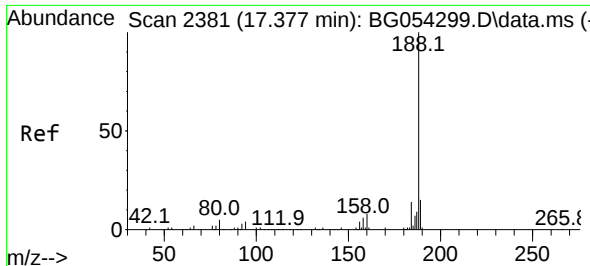
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#45
2-Fluorobiphenyl
Concen: 71.987 ng
RT: 13.234 min Scan# 1744
Delta R.T. -0.013 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

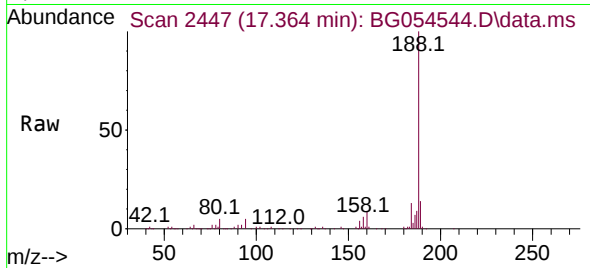
Tgt Ion:172 Resp: 287325
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.6 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.364 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

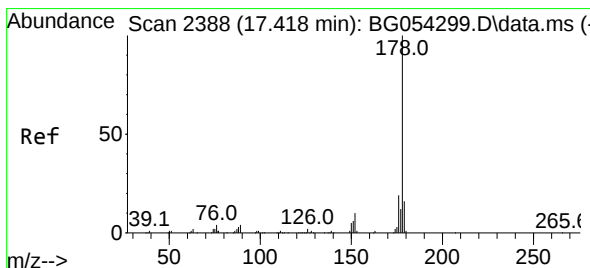
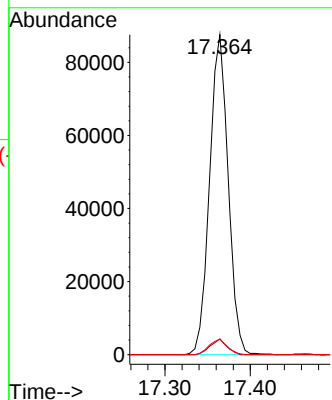
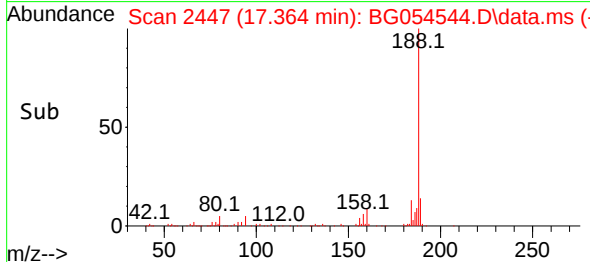
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BNA_G
ClientSampleId :
RVE-185



Tgt Ion:188 Resp: 132469
Ion Ratio Lower Upper
188 100
94 4.9 5.4 8.0
80 4.8 6.8 10.2

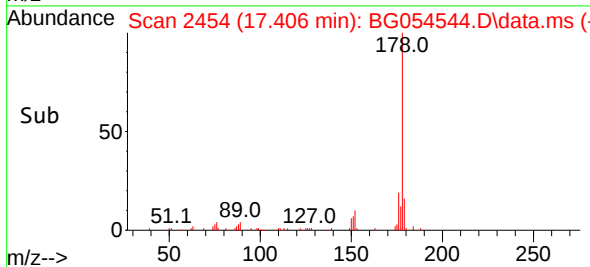
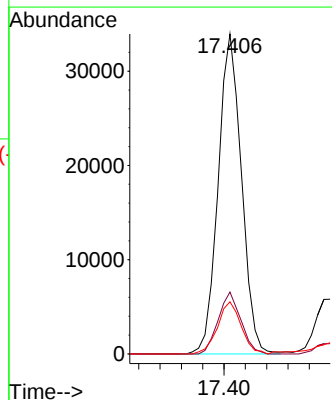
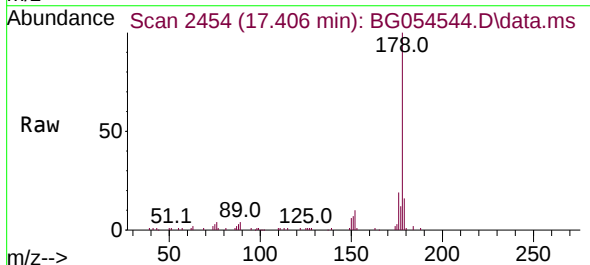
Manual Integrations
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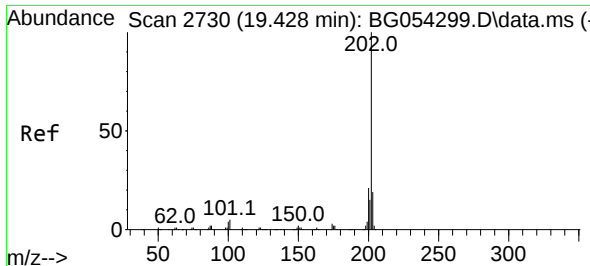
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#71
Phenanthrene
Concen: 7.833 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.007 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

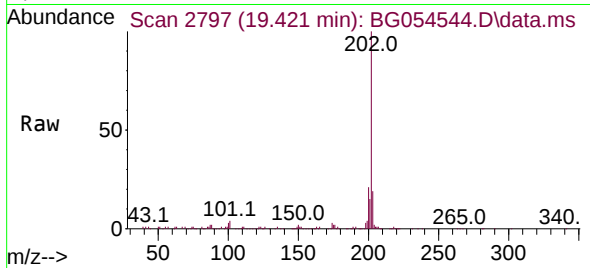
Tgt Ion:178 Resp: 51674
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 16.3 12.1 18.1





#75
Fluoranthene
Concen: 12.297 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

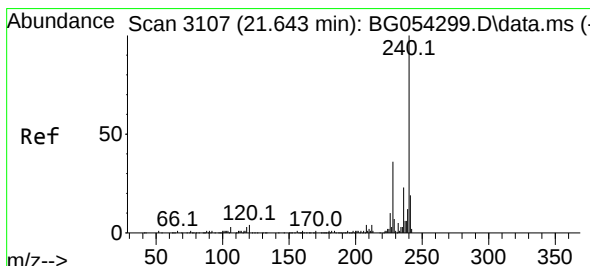
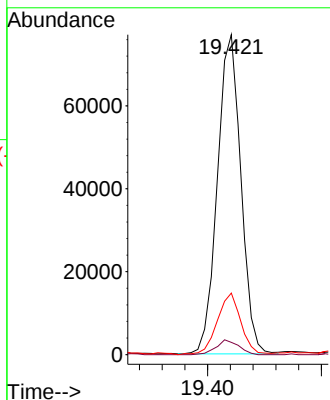
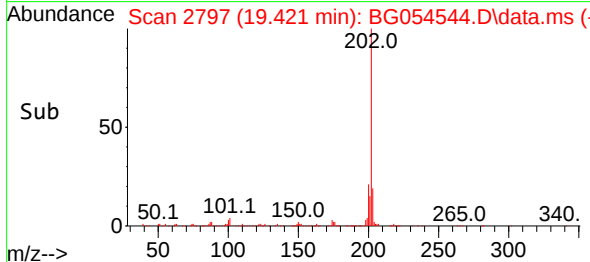
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Tgt Ion:202 Resp: 110584
Ion Ratio Lower Upper
202 100
101 3.8 0.0 26.9
203 19.2 0.0 37.2

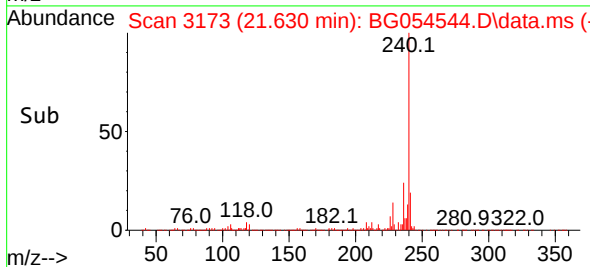
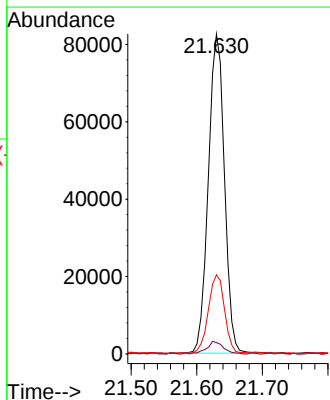
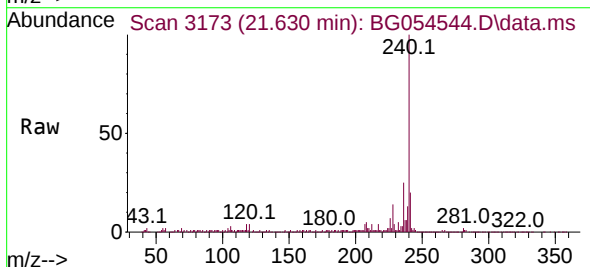
Manual Integrations
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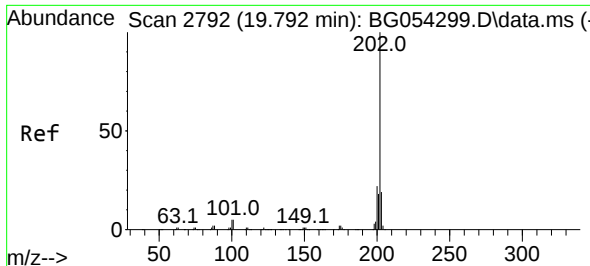
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.007 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

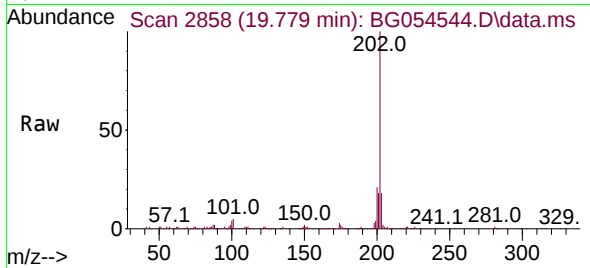
Tgt Ion:240 Resp: 140712
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 24.7 20.2 30.4





#78
 Pyrene
 Concen: 16.391 ng
 RT: 19.779 min Scan# 2858
 Delta R.T. -0.007 min
 Lab File: BG054544.D
 Acq: 5 Aug 2022 21:11

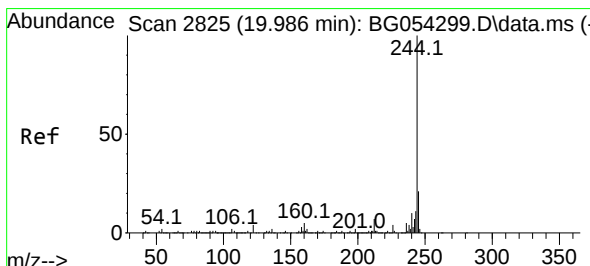
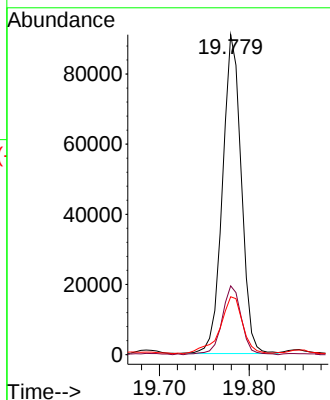
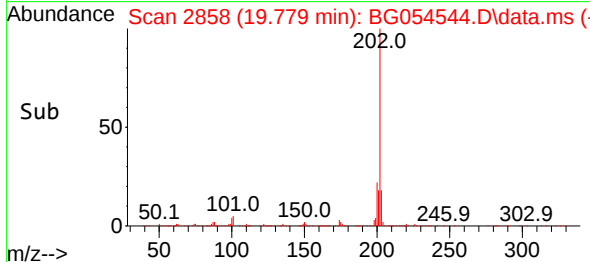
Instrument :
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Tgt Ion:202 Resp: 13234
 Ion Ratio Lower Upper
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 200 21.5 16.6 24.8
 203 18.1 14.6 21.8

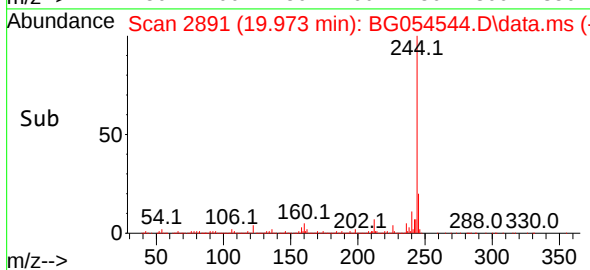
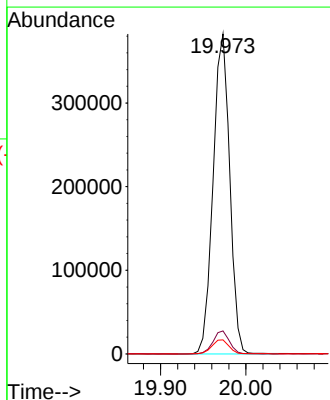
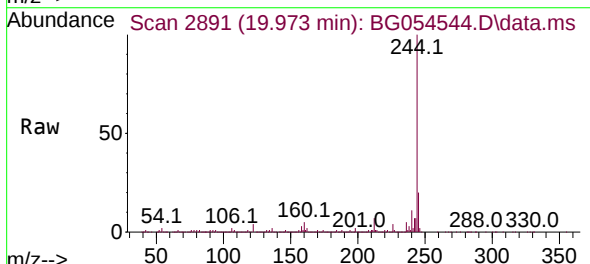
Manual Integrations
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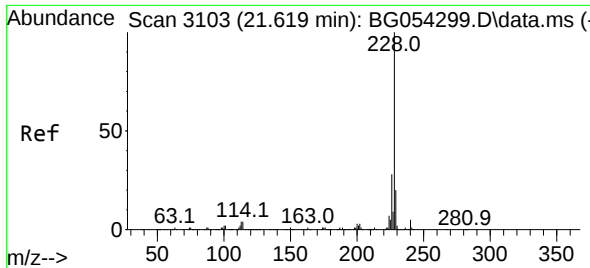
Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022



#79
 Terphenyl-d14
 Concen: 72.853 ng
 RT: 19.973 min Scan# 2891
 Delta R.T. -0.007 min
 Lab File: BG054544.D
 Acq: 5 Aug 2022 21:11

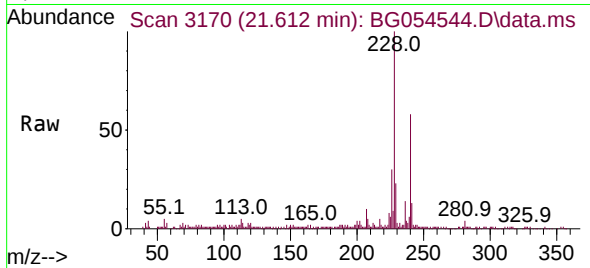
Tgt Ion:244 Resp: 516748
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.4 5.0 7.4





#81
Benzo(a)anthracene
Concen: 7.983 ng
RT: 21.612 min Scan# 3103
Delta R.T. -0.001 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

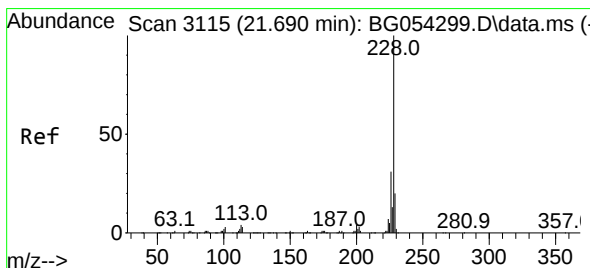
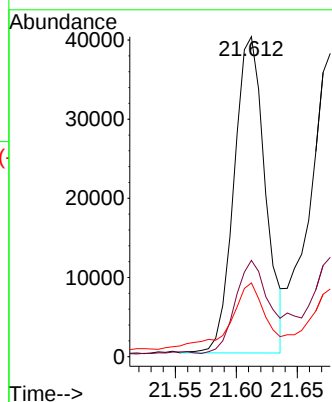
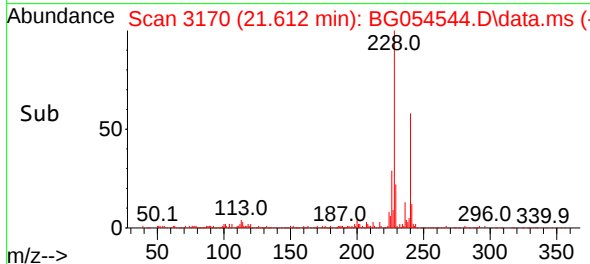
Instrument :
BNA_G
ClientSampleId :
RVE-185



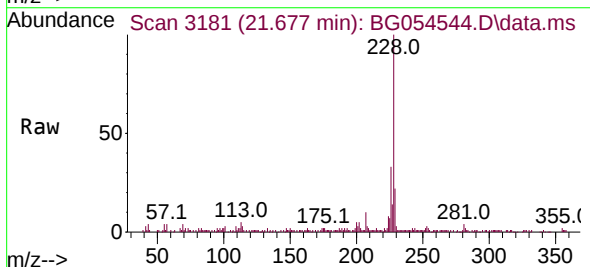
Tgt Ion:228 Resp: 71304
Ion Ratio Lower Upper
228 100
226 30.1 21.6 32.4
229 23.0 16.2 24.2

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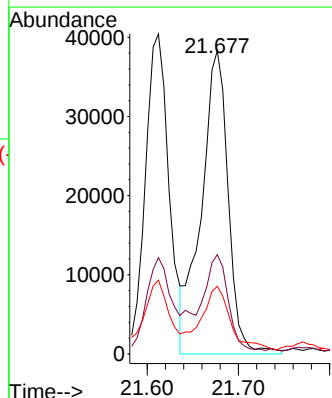
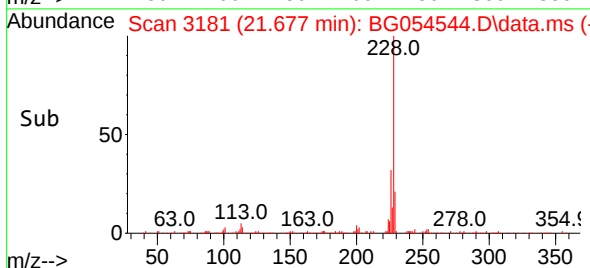
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

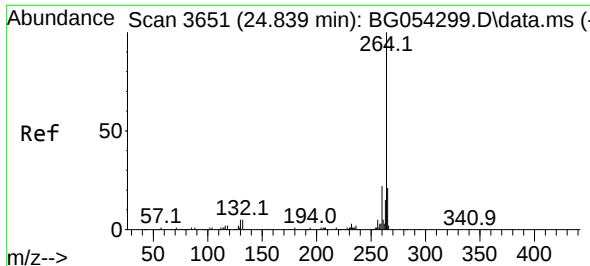


#83
Chrysene
Concen: 9.351 ng m
RT: 21.677 min Scan# 3181
Delta R.T. -0.007 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11



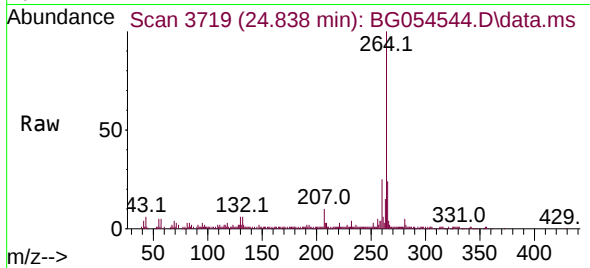
Tgt Ion:228 Resp: 78910
Ion Ratio Lower Upper
228 100
226 32.7 23.4 35.2
229 22.3 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.838 min Scan# 31
 Delta R.T. 0.005 min
 Lab File: BG054544.D
 Acq: 5 Aug 2022 21:11

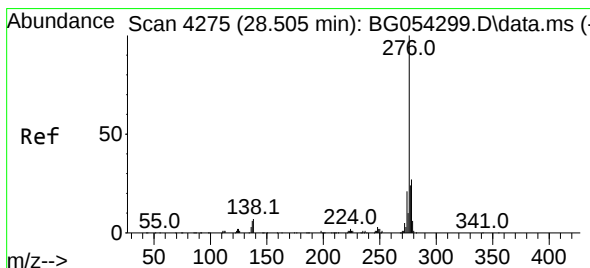
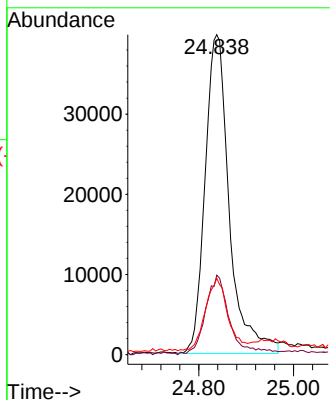
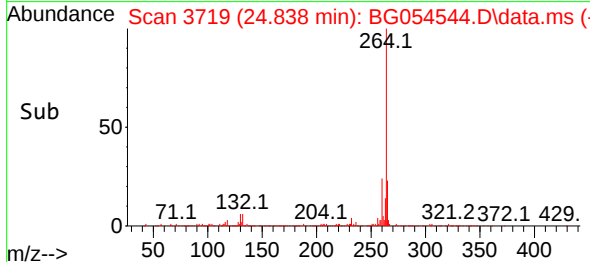
Instrument :
 BNA_G
 ClientSampleId :
 RVE-185



Tgt Ion:264 Resp: 141082
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.0 28.6
 265 23.8 17.4 26.2

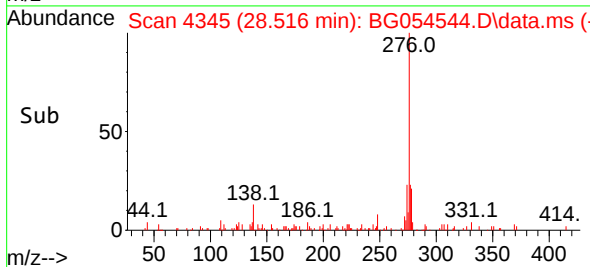
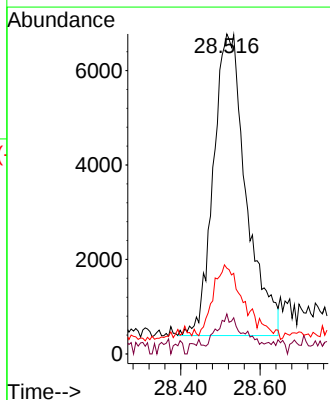
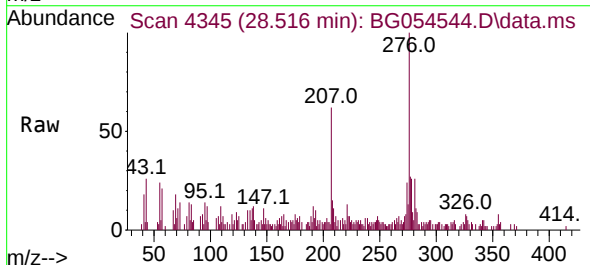
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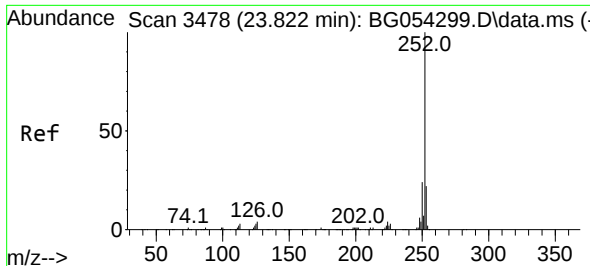
Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.407 ng
 RT: 28.516 min Scan# 4345
 Delta R.T. -0.001 min
 Lab File: BG054544.D
 Acq: 5 Aug 2022 21:11

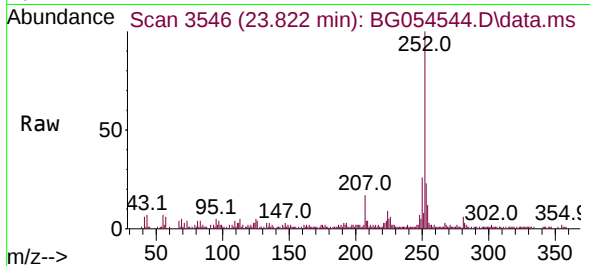
Tgt Ion:276 Resp: 36565
 Ion Ratio Lower Upper
 276 100
 138 7.7 5.0 7.4#
 277 20.0 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 9.660 ng m
RT: 23.822 min Scan# 3478
Delta R.T. -0.001 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

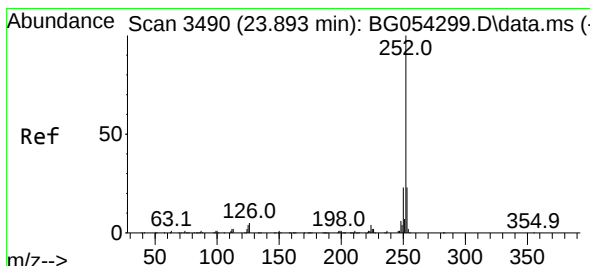
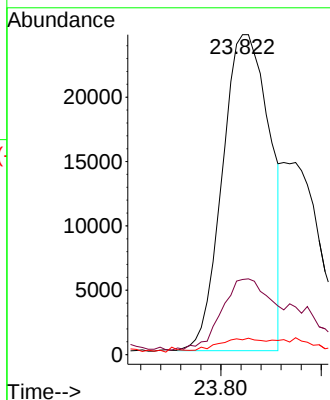
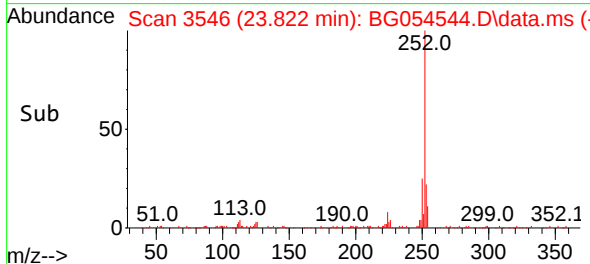
Instrument :
BNA_G
ClientSampleId :
RVE-185



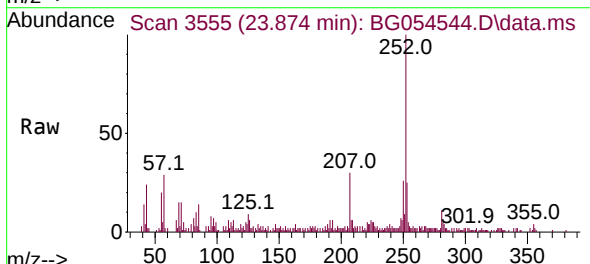
Tgt Ion:252 Resp: 80601
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 4.6 4.6 6.8

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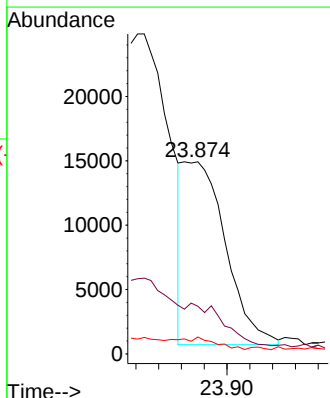
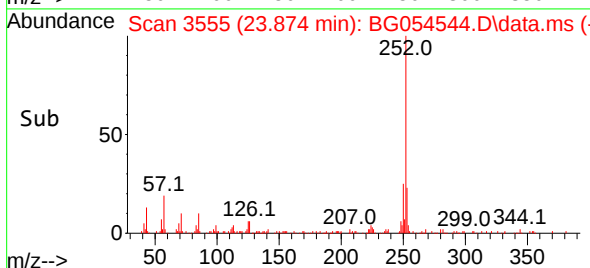
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

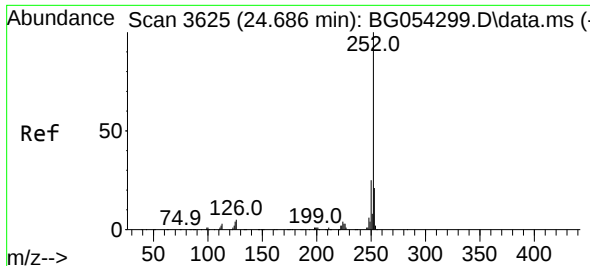


#89
Benzo(k)fluoranthene
Concen: 4.448 ng m
RT: 23.874 min Scan# 3555
Delta R.T. -0.013 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11



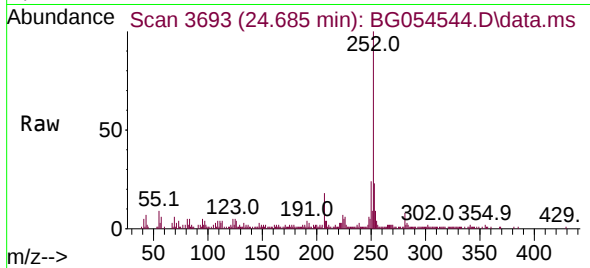
Tgt Ion:252 Resp: 36934
Ion Ratio Lower Upper
252 100
253 24.8 18.4 27.6
125 8.8 4.8 7.2#





#90
Benzo(a)pyrene
Concen: 9.274 ng
RT: 24.685 min Scan# 3625
Delta R.T. -0.001 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11

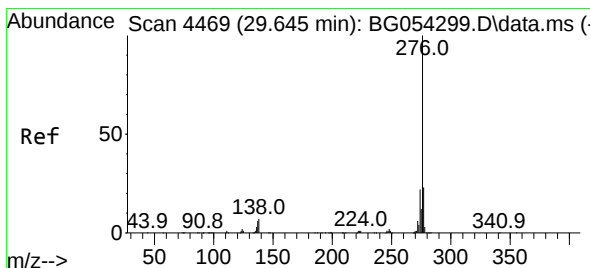
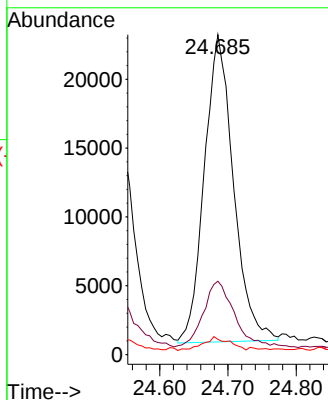
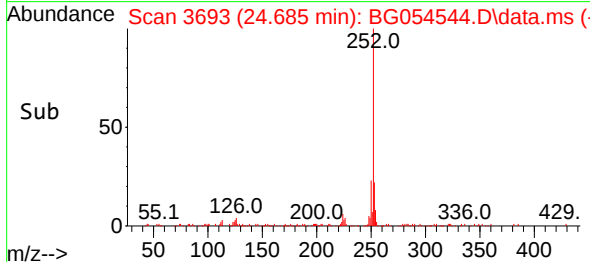
Instrument :
BNA_G
ClientSampleId :
RVE-185



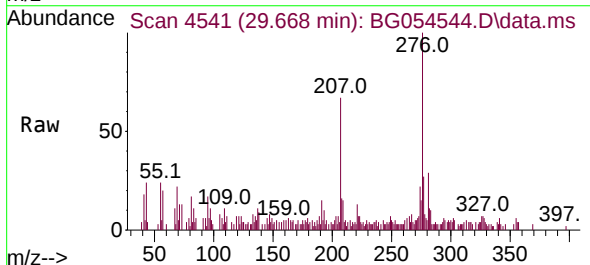
Tgt Ion:252 Resp: 66079
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 4.8 4.3 6.5

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



#92
Benzo(g,h,i)perylene
Concen: 4.298 ng
RT: 29.668 min Scan# 4541
Delta R.T. 0.005 min
Lab File: BG054544.D
Acq: 5 Aug 2022 21:11



Tgt Ion:276 Resp: 37434
Ion Ratio Lower Upper
276 100
277 26.9 17.3 25.9#
138 8.8 9.6 14.4#

