

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054550.D
 Acq On : 8 Aug 2022 12:38
 Operator : CG/JU
 Sample : N3961-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-182

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 08 14:52:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	18267	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	72908	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	56181	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	138344	20.000	ng	# 0.00
76) Chrysene-d12	21.632	240	151665	20.000	ng	# 0.00
86) Perylene-d12	24.834	264	158920	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	93756	107.161	ng	0.00
7) Phenol-d6	7.178	99	125357	104.566	ng	0.00
23) Nitrobenzene-d5	9.140	82	84374	63.021	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	111287	94.344	ng	0.00
45) 2-Fluorobiphenyl	13.236	172	254085	63.800	ng	0.00
79) Terphenyl-d14	19.969	244	503691	65.884	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.407	178	37865	5.496	ng	97
75) Fluoranthene	19.416	202	73654	7.843	ng	95
78) Pyrene	19.781	202	98259	11.291	ng	99
81) Benzo(a)anthracene	21.614	228	50780	5.274	ng	93
83) Chrysene	21.673	228	57732	6.347	ng	95
87) Indeno(1,2,3-cd)pyrene	28.512	276	39131	3.237	ng	# 76
88) Benzo(b)fluoranthene	23.823	252	68834	7.324	ng	97
89) Benzo(k)fluoranthene	23.876	252	21621m	2.312	ng	
90) Benzo(a)pyrene	24.681	252	53132	6.620	ng	99
92) Benzo(g,h,i)perylene	29.675	276	47664	4.858	ng	# 94

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

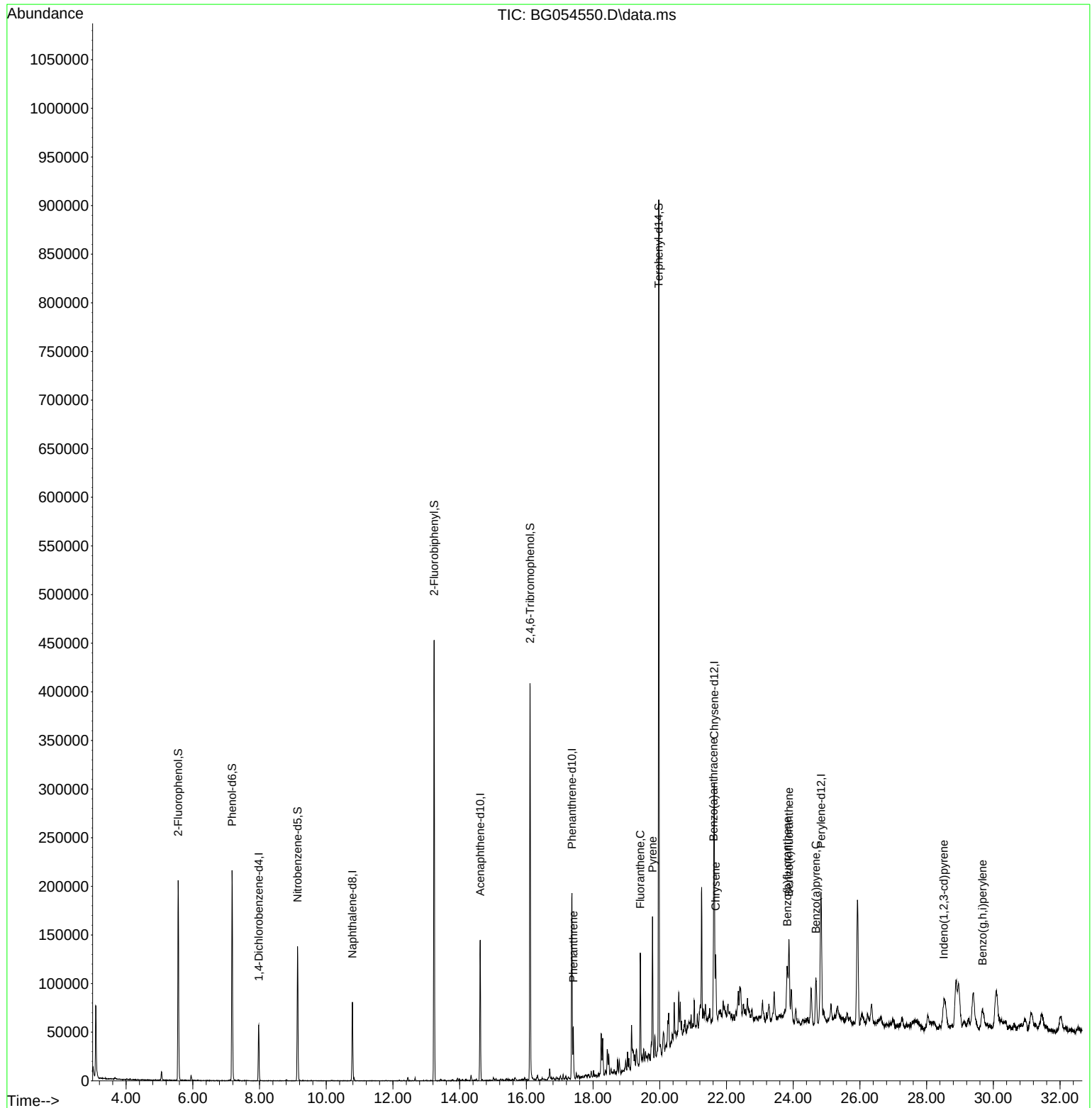
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054550.D
Acq On : 8 Aug 2022 12:38
Operator : CG/JU
Sample : N3961-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

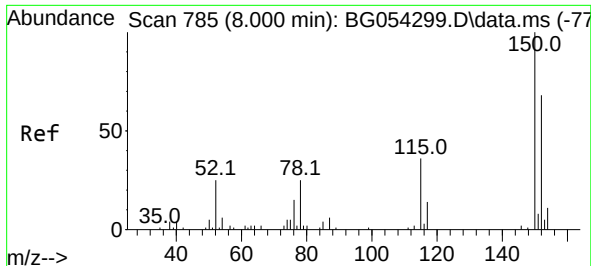
Instrument :
BNA_G
ClientSampleId :
RVE-182

Quant Time: Aug 08 14:52:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
Response via : Initial Calibration

Manual Integrations
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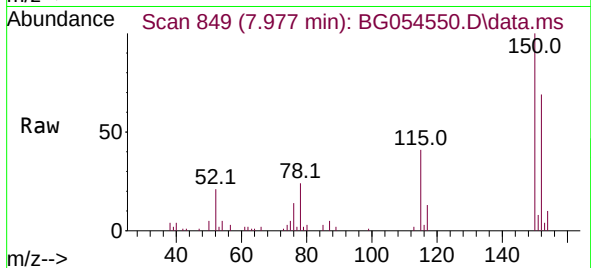
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.977 min Scan# 84
Delta R.T. 0.005 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

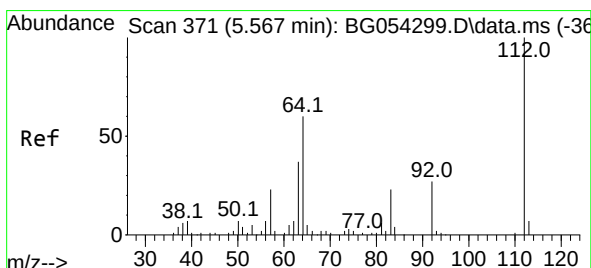
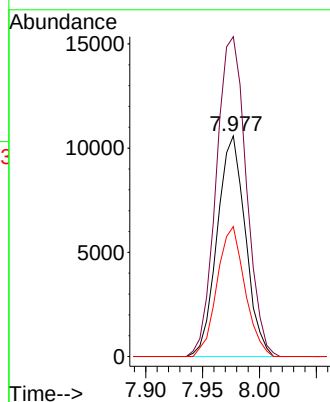
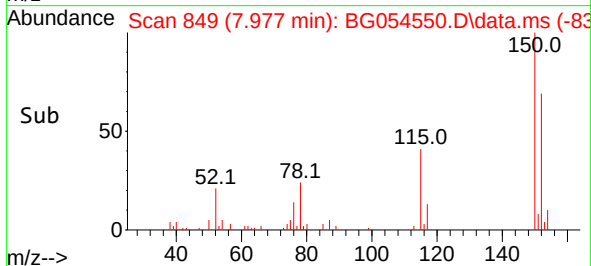
Instrument :
BNA_G
ClientSampleId :
RVE-182



Tgt Ion:152 Resp: 18262
Ion Ratio Lower Upper
152 100
150 144.9 131.6 197.4
115 58.9 50.9 76.3

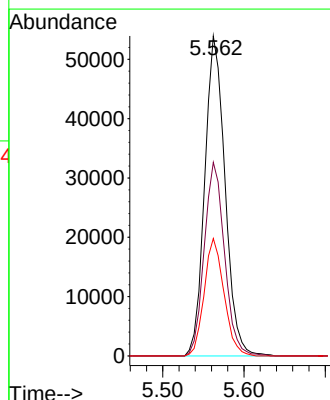
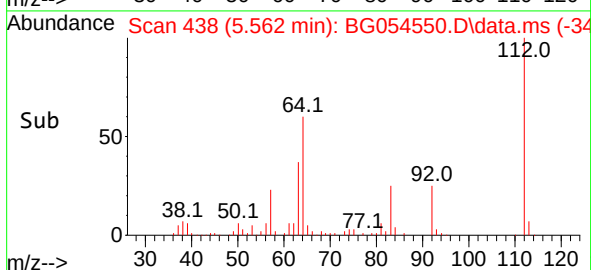
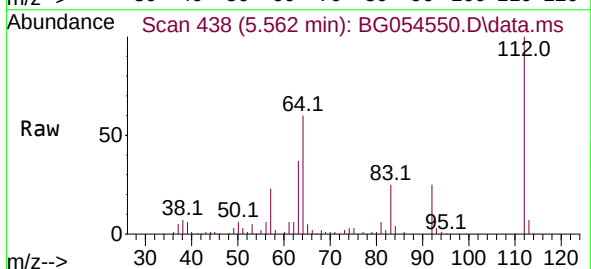
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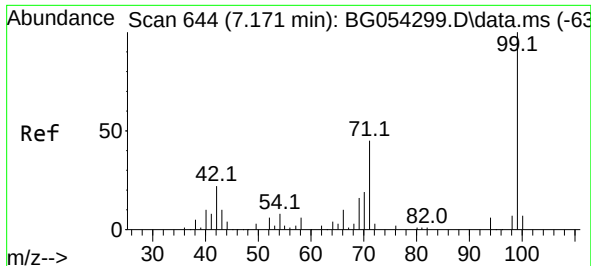
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 107.161 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

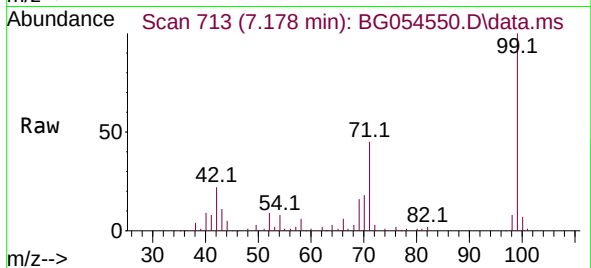
Tgt Ion:112 Resp: 93756
Ion Ratio Lower Upper
112 100
64 60.5 55.1 82.7
63 36.7 30.4 45.6





#7
Phenol-d6
Concen: 104.566 ng
RT: 7.178 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

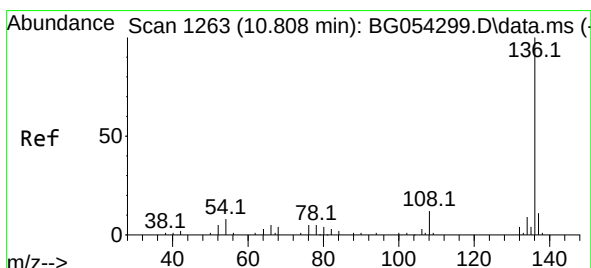
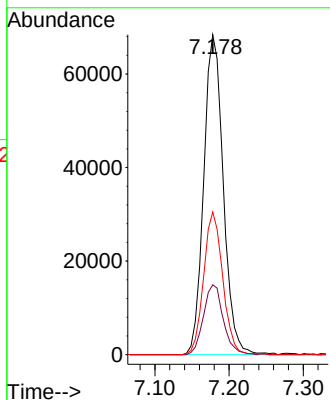
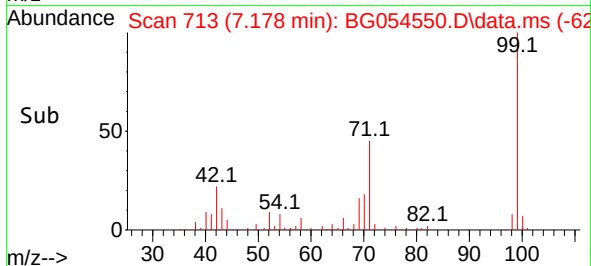
Instrument :
BNA_G
ClientSampleId :
RVE-182



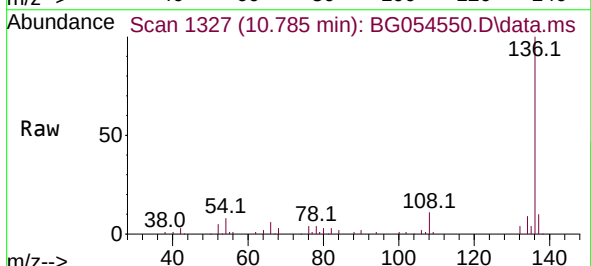
Tgt Ion: 99 Resp: 12535
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 44.6 33.8 50.8

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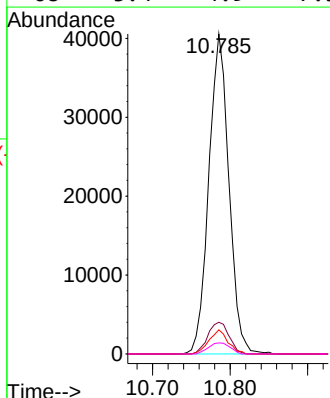
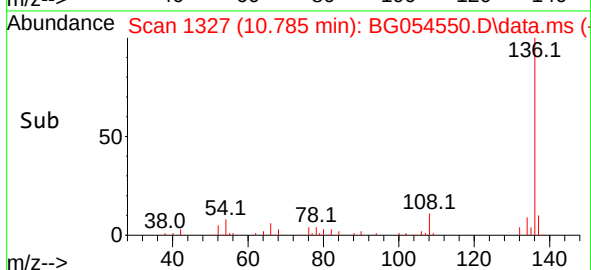
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

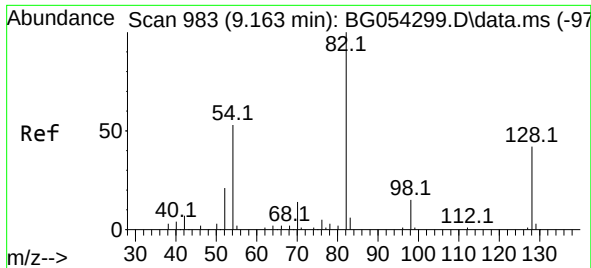


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38



Tgt Ion:136 Resp: 72908
Ion Ratio Lower Upper
136 100
137 9.9 8.5 12.7
54 7.5 7.4 11.2
68 3.4 4.9 7.3#





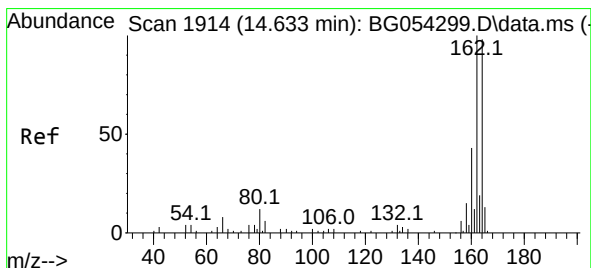
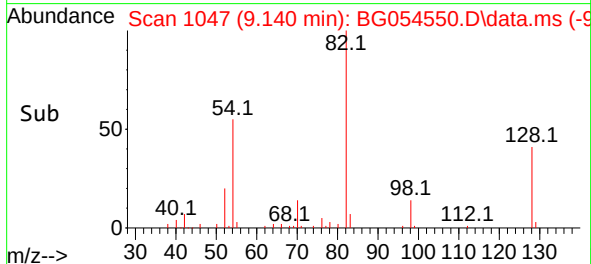
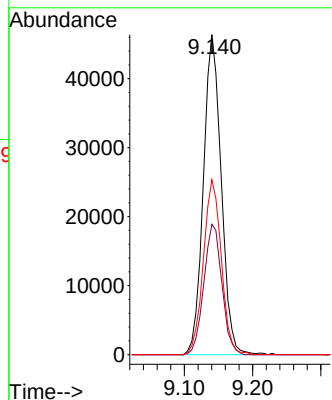
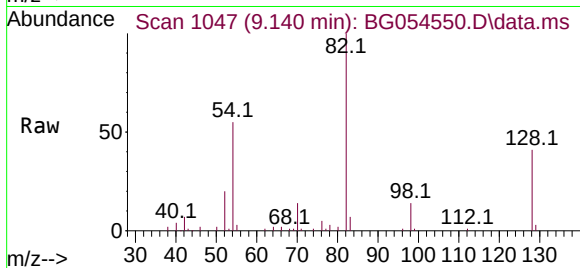
#23
Nitrobenzene-d5
Concen: 63.021 ng
RT: 9.140 min Scan# 1047
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

Instrument :
BNA_G
ClientSampleId :
RVE-182

Tgt Ion: 82 Resp: 84374
Ion Ratio Lower Upper
82 100
128 40.7 27.9 41.9
54 54.7 41.2 61.8

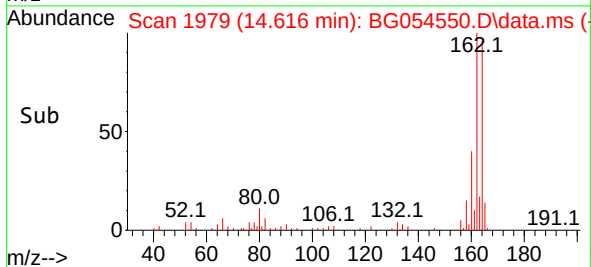
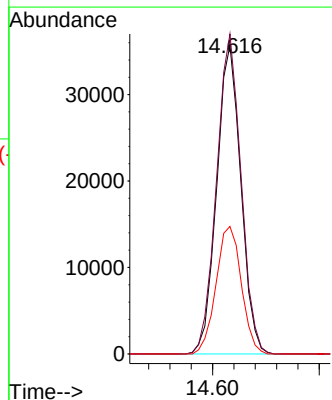
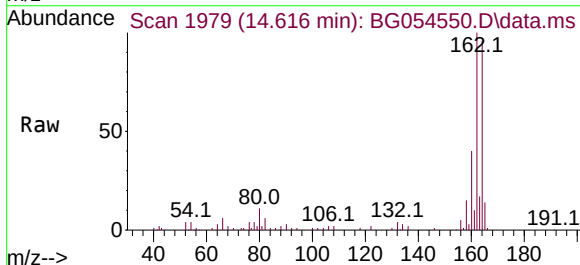
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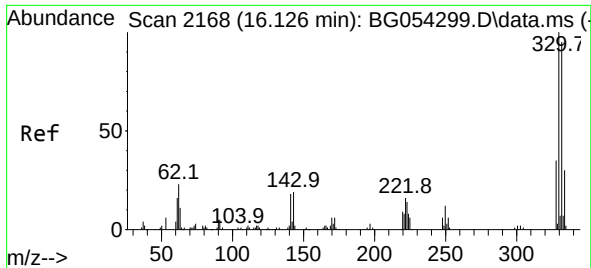
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

Tgt Ion:164 Resp: 56181
Ion Ratio Lower Upper
164 100
162 103.7 82.3 123.5
160 41.3 34.2 51.2





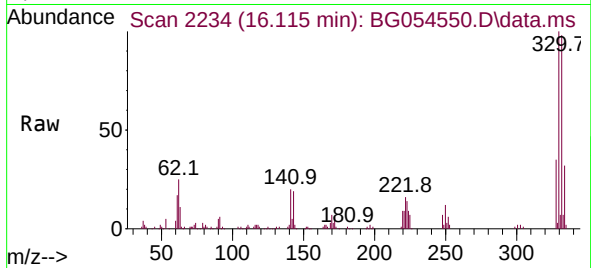
#42
2,4,6-Tribromophenol
Concen: 94.344 ng
RT: 16.115 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

Instrument :

BNA_G

ClientSampleId :

RVE-182

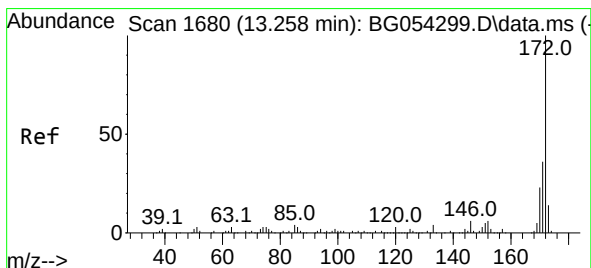
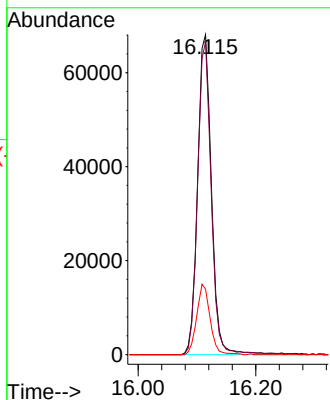
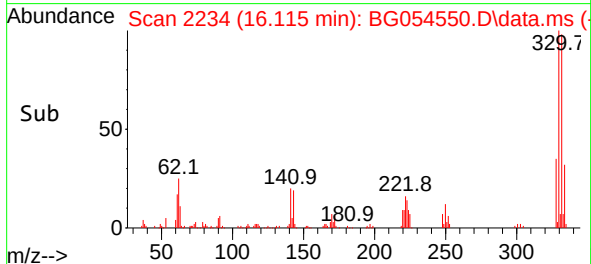


Tgt Ion:330 Resp: 11128
Ion Ratio Lower Upper
330 100
332 95.6 76.0 114.0
141 21.2 27.1 40.7

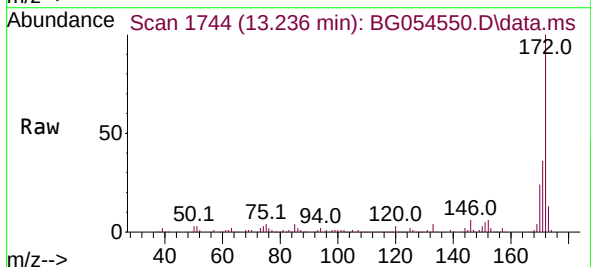
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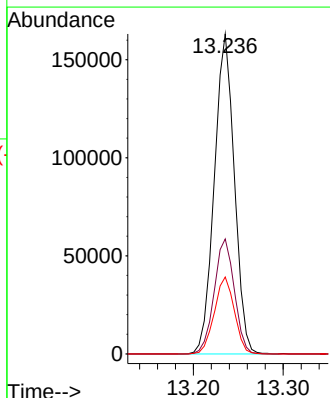
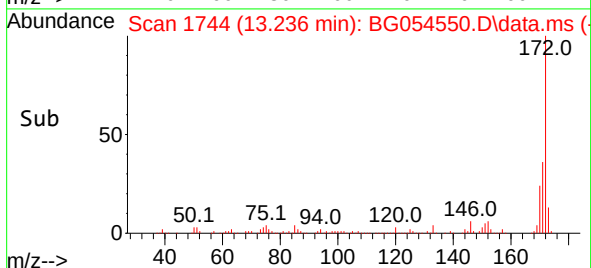
Reviewed By :Christian Giraldo 08/09/2022
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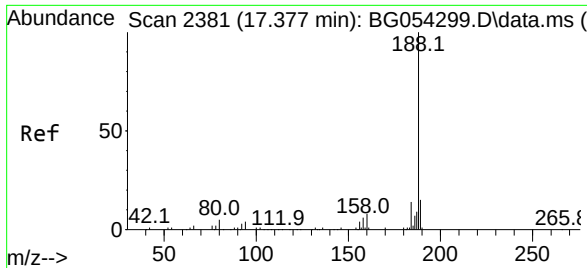


#45
2-Fluorobiphenyl
Concen: 63.800 ng
RT: 13.236 min Scan# 1744
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38



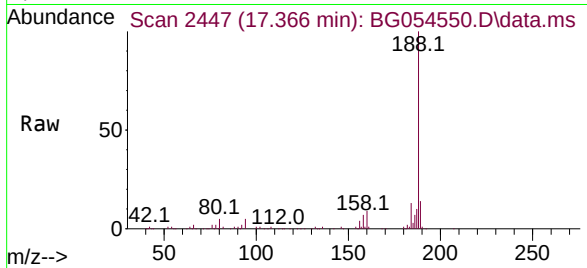
Tgt Ion:172 Resp: 254085
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.0 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. 0.005 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

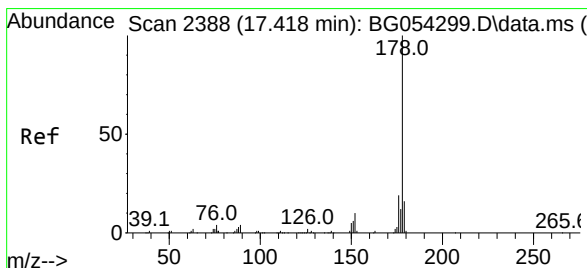
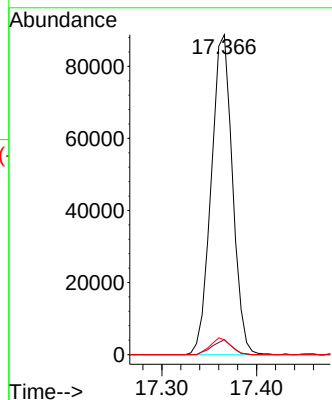
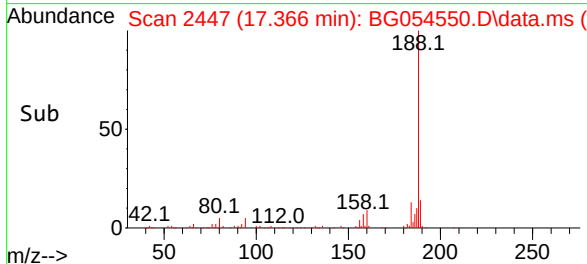
Instrument :
BNA_G
ClientSampleId :
RVE-182



Tgt Ion:188 Resp: 138344
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0
80 4.6 6.8 10.2

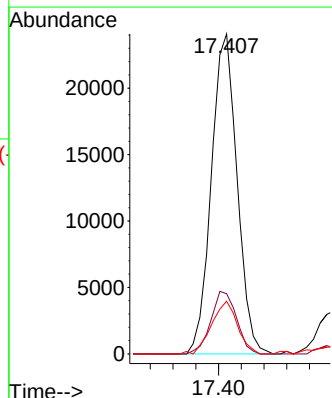
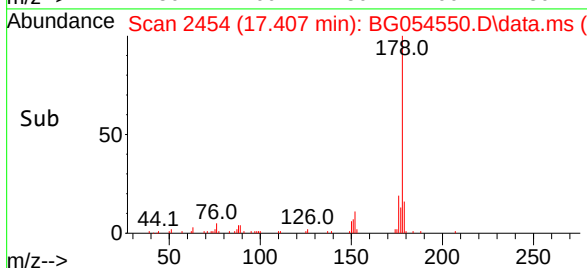
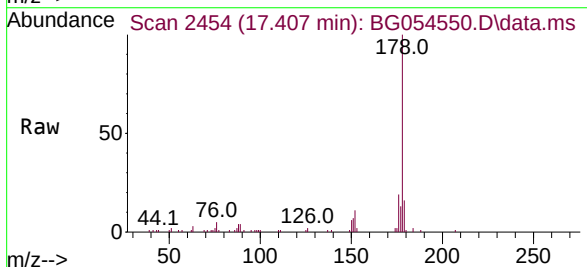
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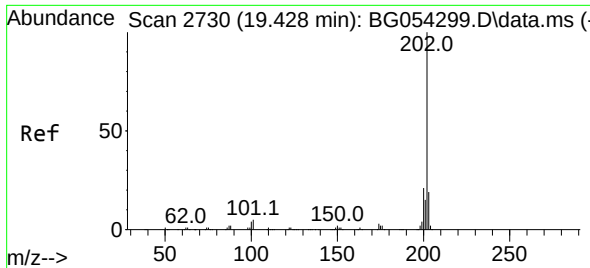
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#71
Phenanthrene
Concen: 5.496 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

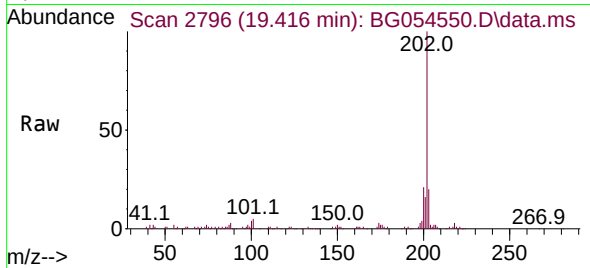
Tgt Ion:178 Resp: 37865
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 16.5 12.1 18.1





#75
Fluoranthene
Concen: 7.843 ng
RT: 19.416 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

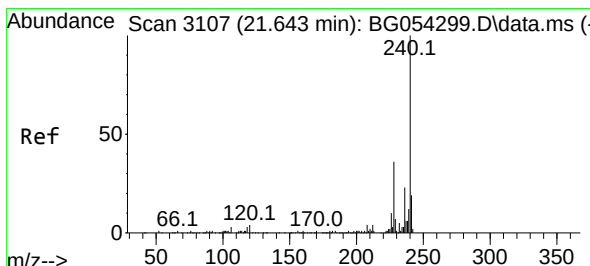
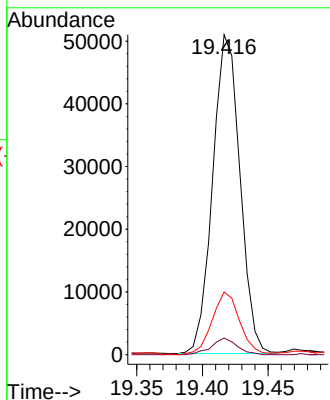
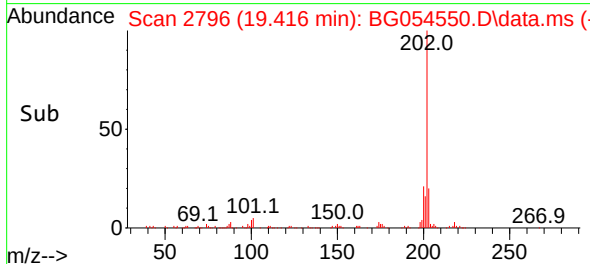
Instrument :
BNA_G
ClientSampleId :
RVE-182



Tgt Ion:202 Resp: 73654
Ion Ratio Lower Upper
202 100
101 5.2 0.0 26.9
203 19.6 0.0 37.2

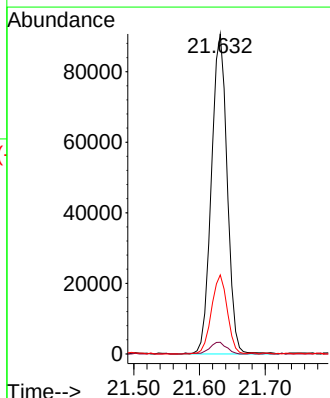
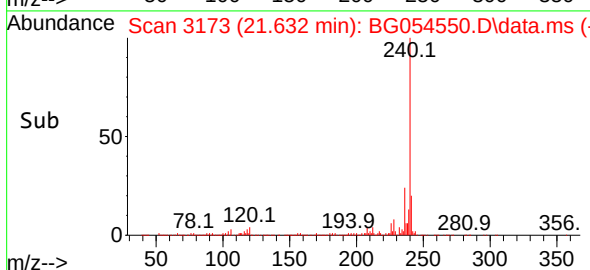
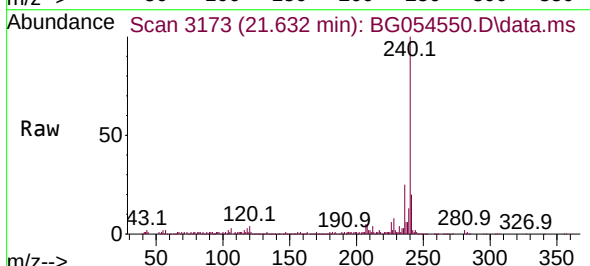
Manual Integrations
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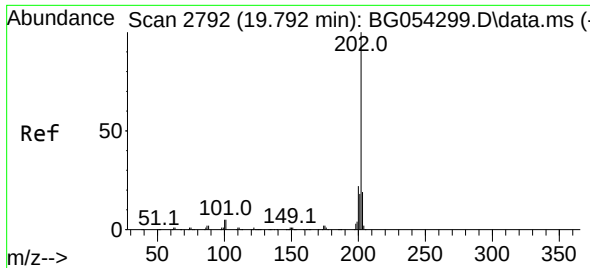
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.632 min Scan# 3173
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

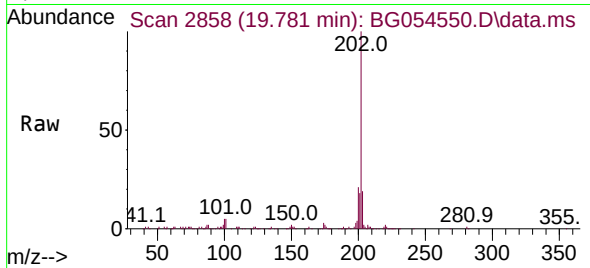
Tgt Ion:240 Resp: 151665
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.7 20.2 30.4





#78
Pyrene
Concen: 11.291 ng
RT: 19.781 min Scan# 2858
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

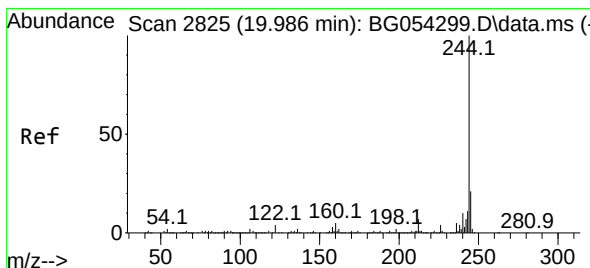
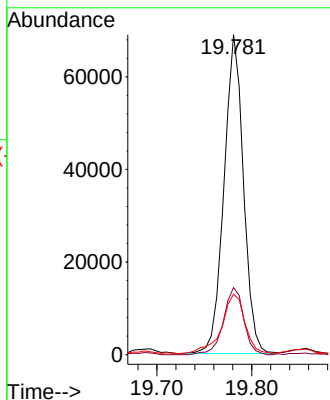
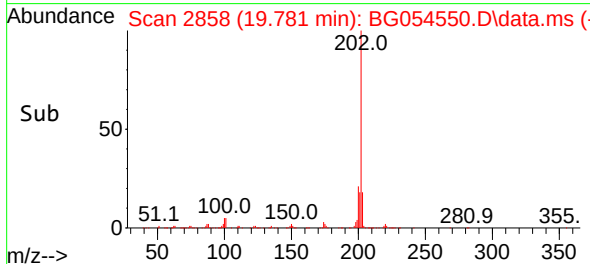
Instrument :
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ClientSampleId :
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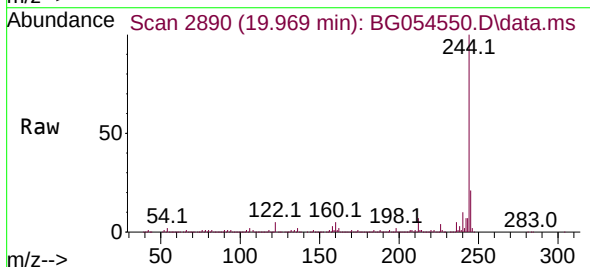
Tgt Ion:202 Resp: 98259
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 18.9 14.6 21.8

Manual Integrations
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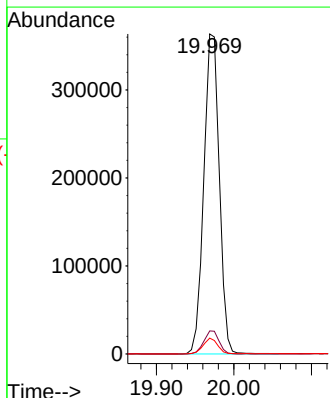
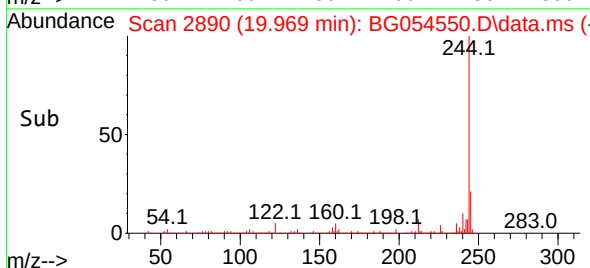
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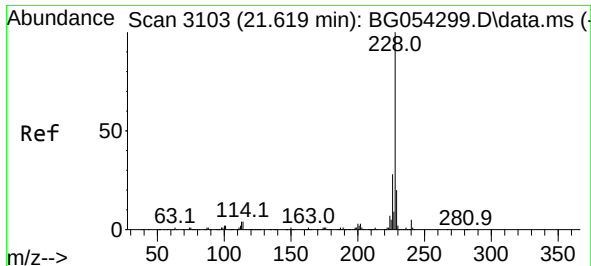


#79
Terphenyl-d14
Concen: 65.884 ng
RT: 19.969 min Scan# 2890
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38



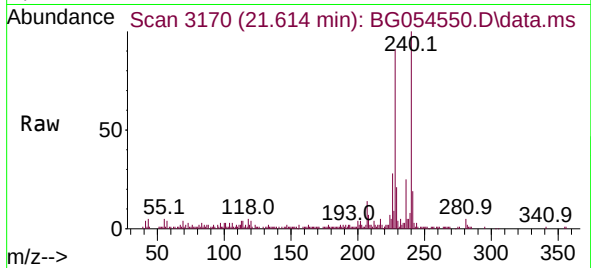
Tgt Ion:244 Resp: 503691
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 5.0 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 5.274 ng
RT: 21.614 min Scan# 3103
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

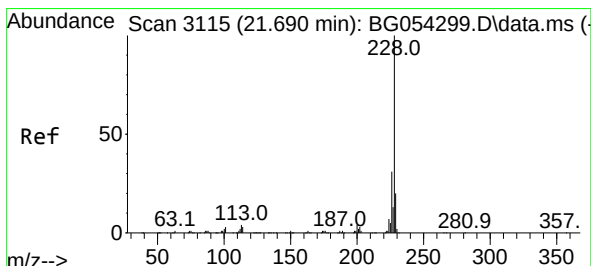
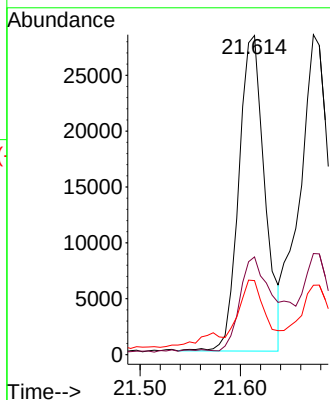
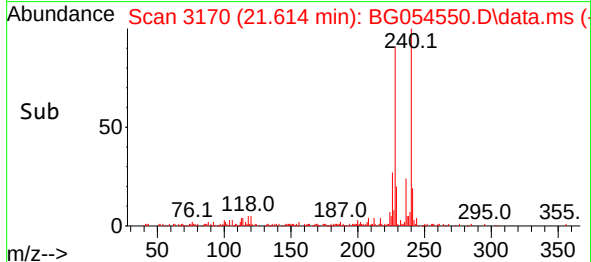
Instrument :
BNA_G
ClientSampleId :
RVE-182



Tgt Ion:228 Resp: 50780
Ion Ratio Lower Upper
228 100
226 30.6 21.6 32.4
229 23.2 16.2 24.2

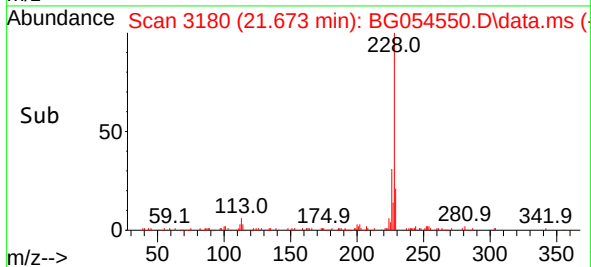
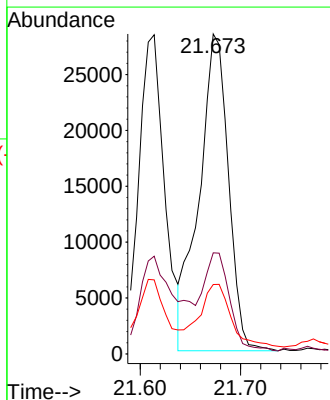
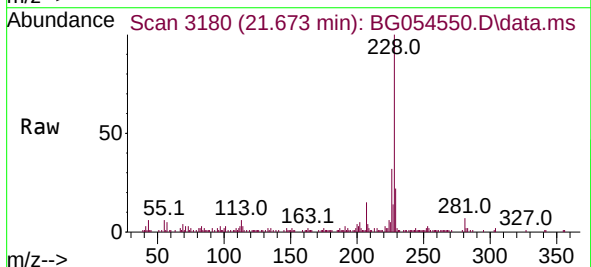
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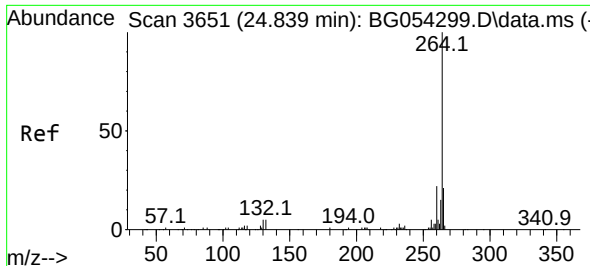
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#83
Chrysene
Concen: 6.347 ng
RT: 21.673 min Scan# 3180
Delta R.T. -0.007 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

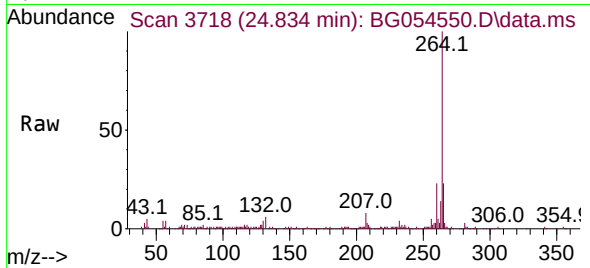
Tgt Ion:228 Resp: 57732
Ion Ratio Lower Upper
228 100
226 31.6 23.4 35.2
229 21.7 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.834 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

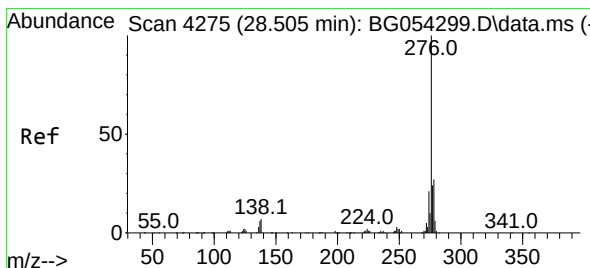
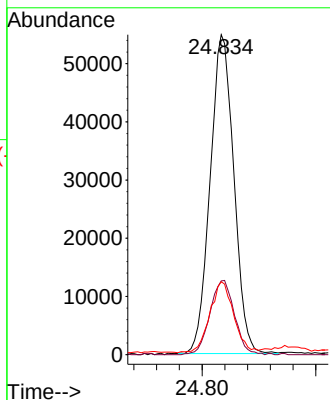
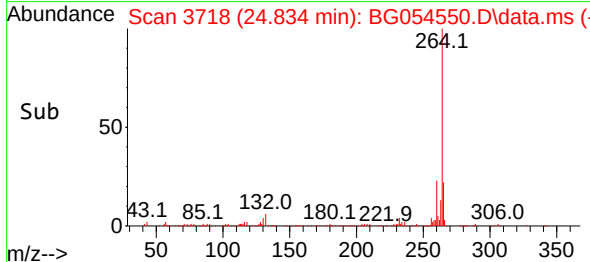
Instrument :
BNA_G
ClientSampleId :
RVE-182



Tgt Ion:264 Resp: 158920
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 22.8 17.4 26.2

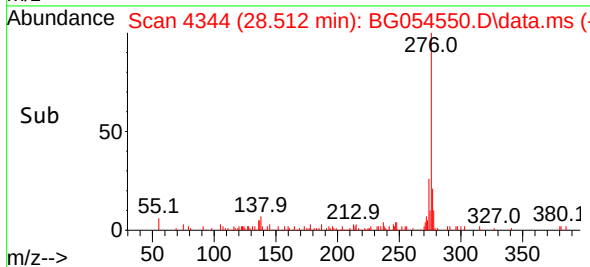
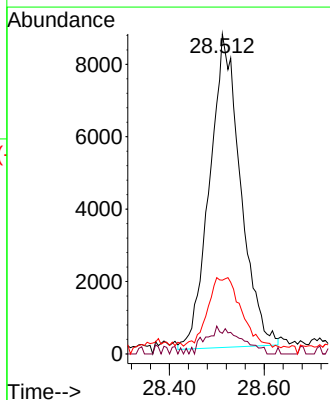
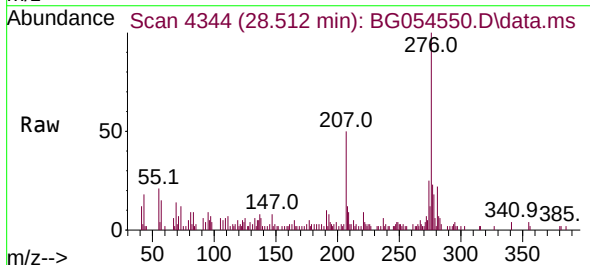
Manual Integrations
APPROVED

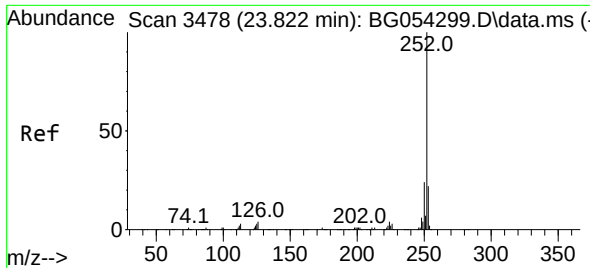
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.237 ng
RT: 28.512 min Scan# 4344
Delta R.T. -0.019 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

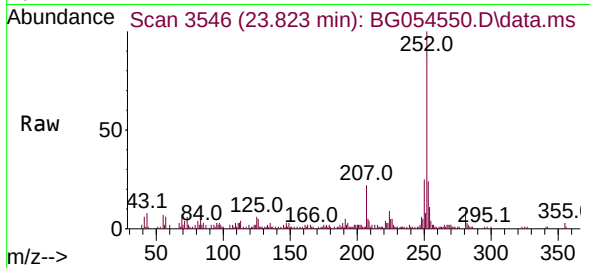
Tgt Ion:276 Resp: 39131
Ion Ratio Lower Upper
276 100
138 4.7 5.0 7.4#
277 11.0 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 7.324 ng
RT: 23.823 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

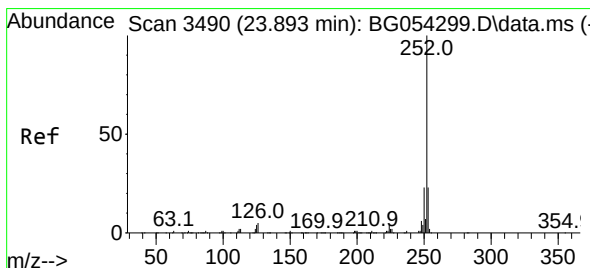
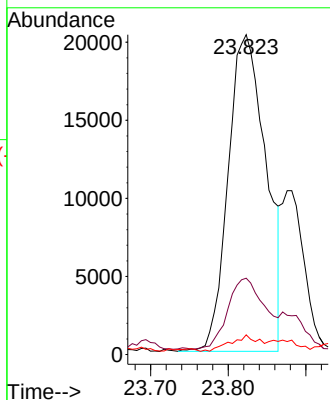
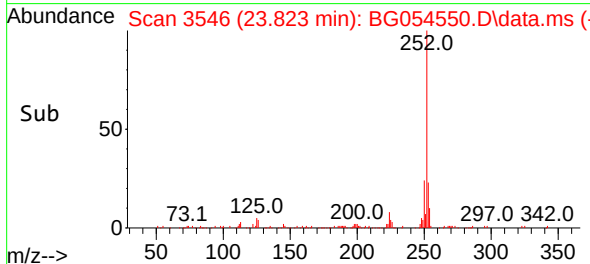
Instrument :
BNA_G
ClientSampleId :
RVE-182



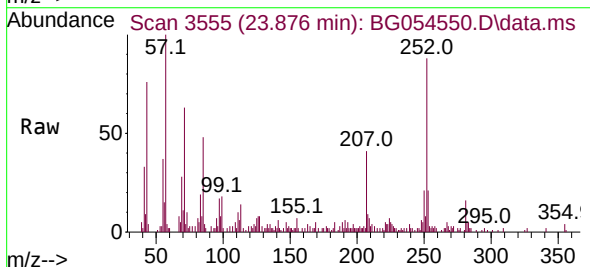
Tgt Ion:252 Resp: 68834
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 6.2 4.6 6.8

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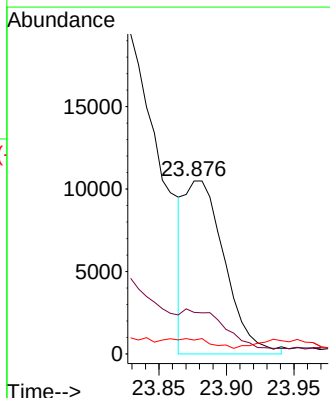
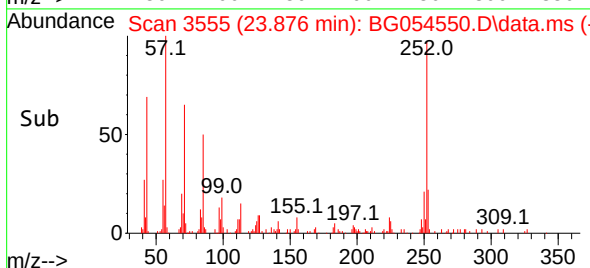
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

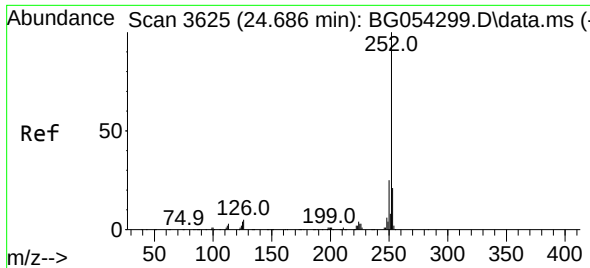


#89
Benzo(k)fluoranthene
Concen: 2.312 ng m
RT: 23.876 min Scan# 3555
Delta R.T. -0.007 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38



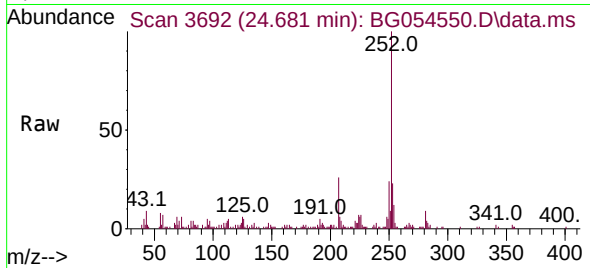
Tgt Ion:252 Resp: 21621
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 8.0 4.8 7.2#





#90
Benzo(a)pyrene
Concen: 6.620 ng
RT: 24.681 min Scan# 3625
Delta R.T. -0.007 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38

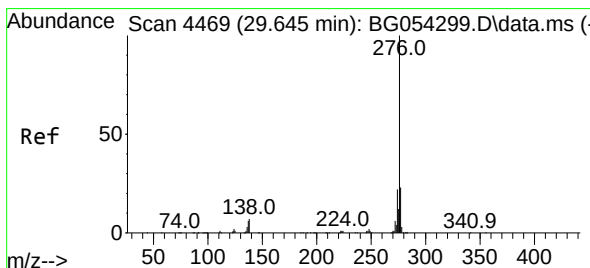
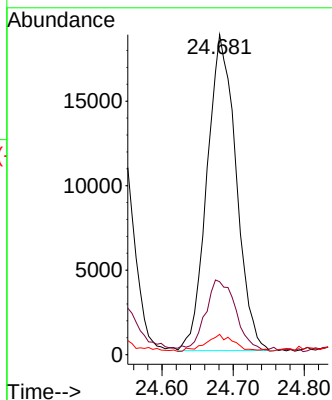
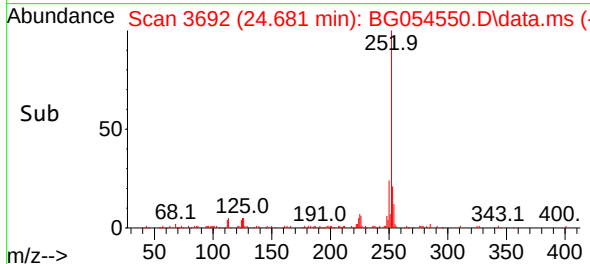
Instrument :
BNA_G
ClientSampleId :
RVE-182



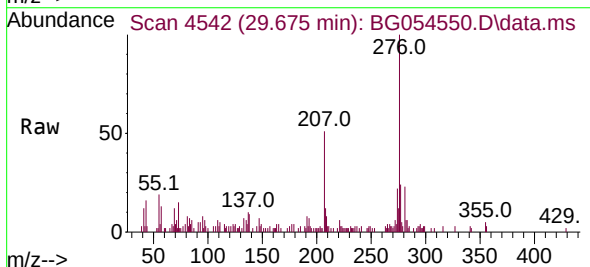
Tgt Ion:252 Resp: 53132
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 6.3 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#92
Benzo(g,h,i)perylene
Concen: 4.858 ng
RT: 29.675 min Scan# 4542
Delta R.T. -0.001 min
Lab File: BG054550.D
Acq: 8 Aug 2022 12:38



Tgt Ion:276 Resp: 47664
Ion Ratio Lower Upper
276 100
277 23.9 17.3 25.9
138 9.0 9.6 14.4#

