

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054578.D
 Acq On : 9 Aug 2022 20:49
 Operator : CG/JU
 Sample : N3963-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-215

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 10 07:15:12 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	7.976	152	21701	20.000	ng	0.00
21) Naphthalene-d8	10.784	136	81558	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	58968	20.000	ng	0.00
64) Phenanthrene-d10	17.359	188	141107	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	155490	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	159539	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	108904	104.778	ng	0.00
7) Phenol-d6	7.183	99	141893	99.630	ng	0.00
23) Nitrobenzene-d5	9.145	82	96873	64.683	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	111798	90.297	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	282485	67.579	ng	0.00
79) Terphenyl-d14	19.968	244	536214	68.412	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.406	178	29666	4.222	ng	98
75) Fluoranthene	19.415	202	81374	8.495	ng	96
78) Pyrene	19.780	202	90236	10.114	ng	99
81) Benzo(a)anthracene	21.607	228	57899	5.866	ng	97
83) Chrysene	21.672	228	68292	7.323	ng	97
87) Indeno(1,2,3-cd)pyrene	28.516	276	37306	3.074	ng	# 92
88) Benzo(b)fluoranthene	23.822	252	100433	10.645	ng	97
89) Benzo(k)fluoranthene	23.875	252	28782m	3.065	ng	
90) Benzo(a)pyrene	24.680	252	64413	7.994	ng	99
92) Benzo(g,h,i)perylene	29.680	276	37470	3.804	ng	96

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

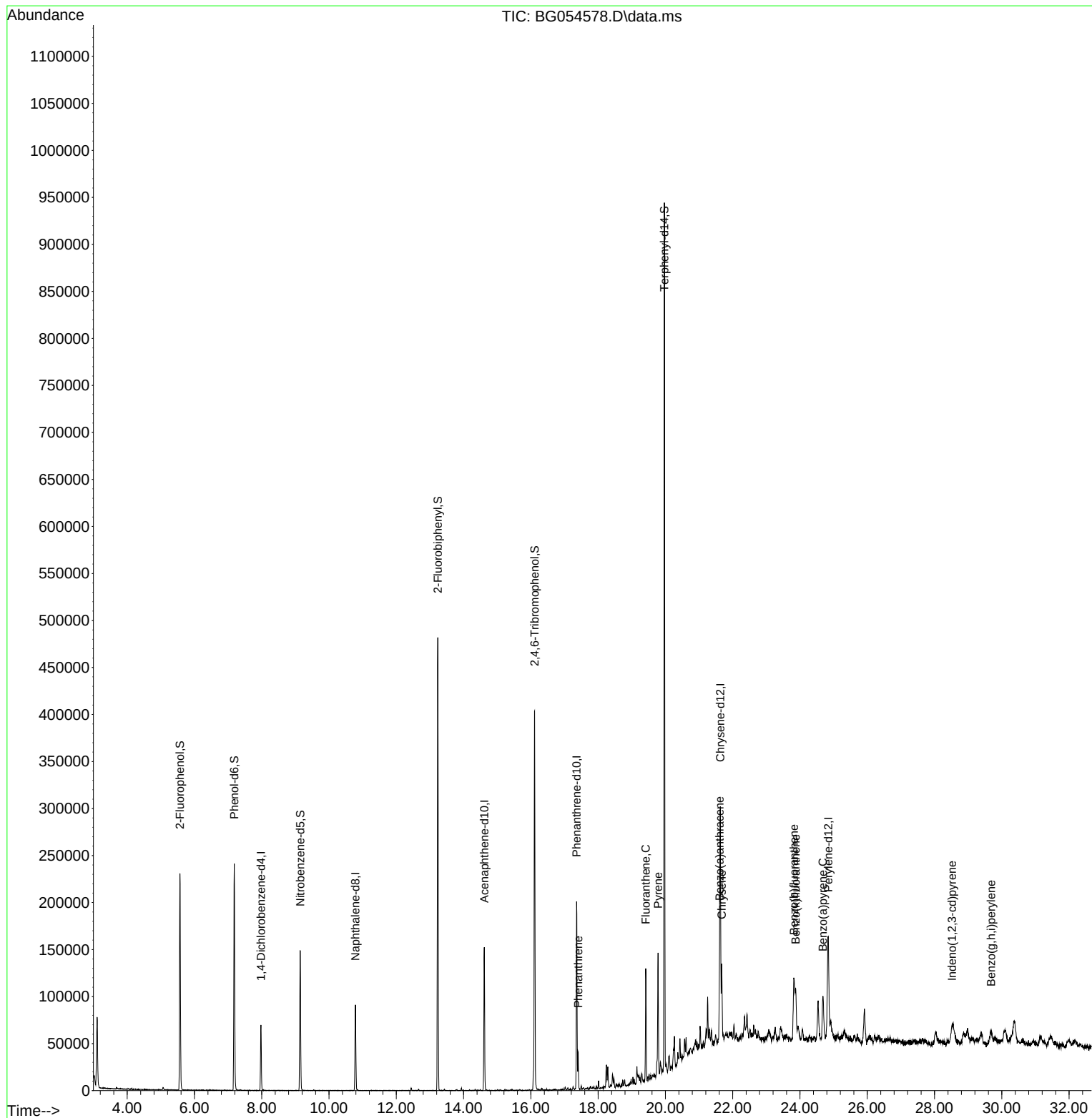
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
Data File : BG054578.D
Acq On : 9 Aug 2022 20:49
Operator : CG/JU
Sample : N3963-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

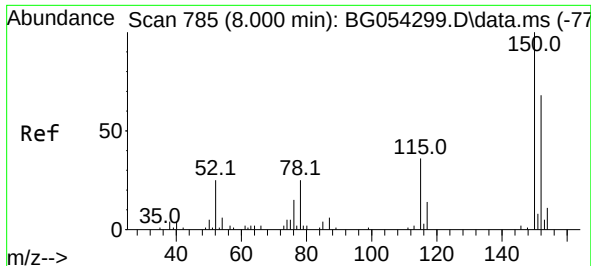
Instrument :
BNA_G
ClientSampleId :
RVE-215

Quant Time: Aug 10 07:15:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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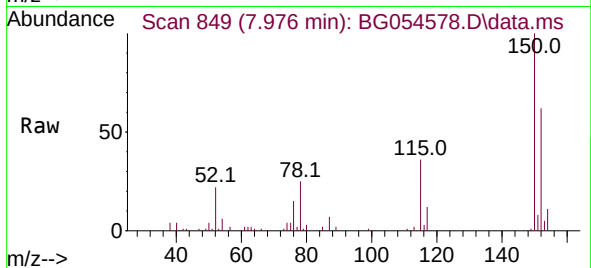
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

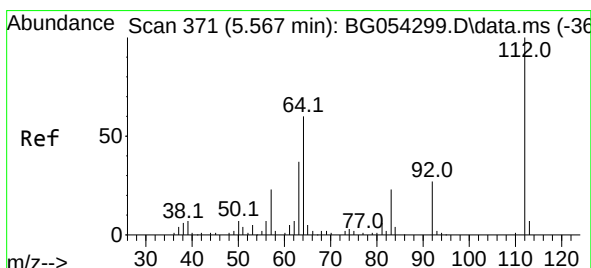
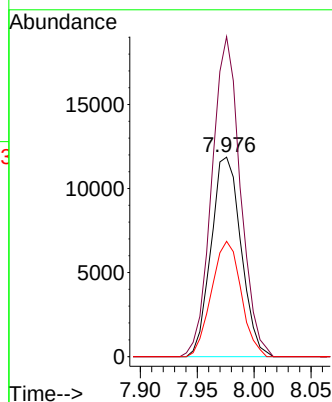
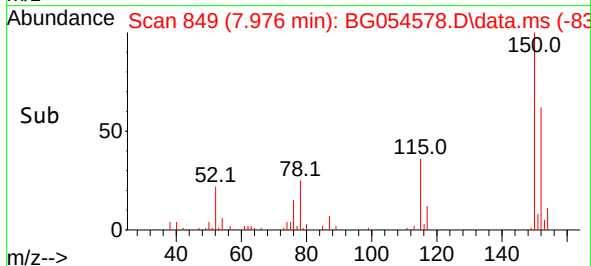
Instrument :
BNA_G
ClientSampleId :
RVE-215



Tgt Ion:152 Resp: 2170
Ion Ratio Lower Upper
152 100
150 160.5 131.6 197.4
115 57.8 50.9 76.3

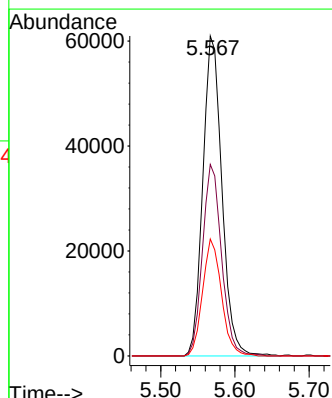
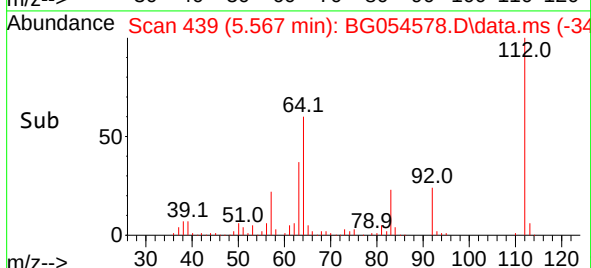
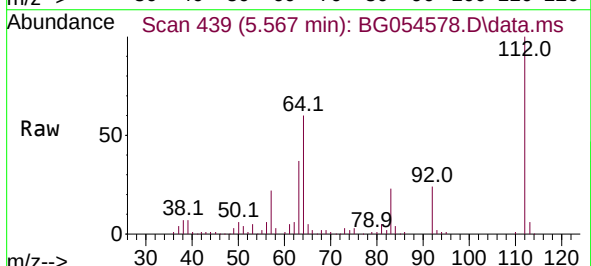
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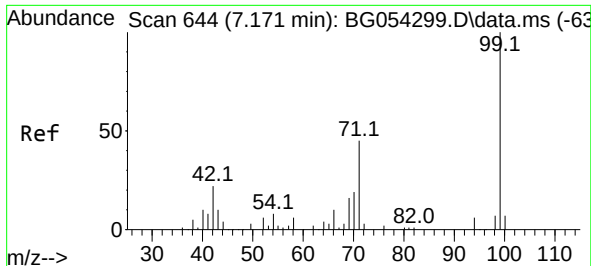
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#5
2-Fluorophenol
Concen: 104.778 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.003 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

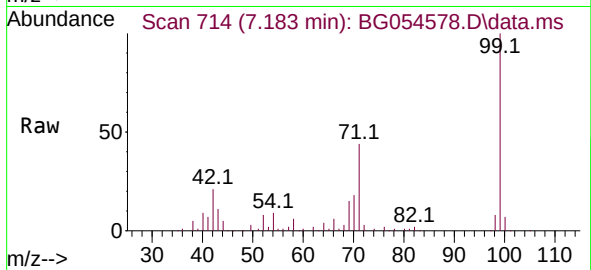
Tgt Ion:112 Resp: 108904
Ion Ratio Lower Upper
112 100
64 59.8 55.1 82.7
63 36.6 30.4 45.6





#7
Phenol-d6
Concen: 99.630 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

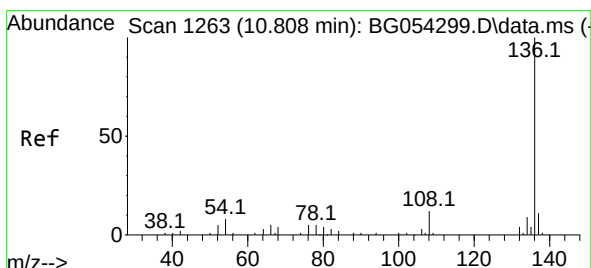
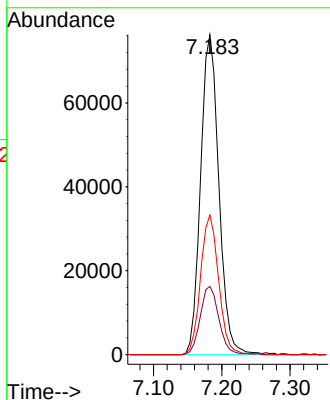
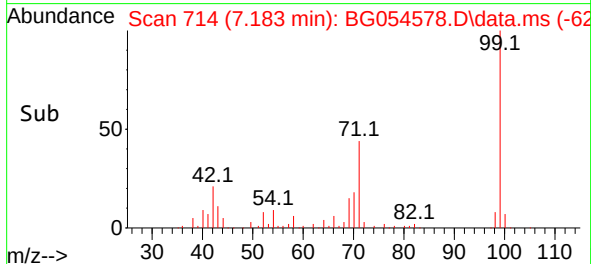
Instrument :
BNA_G
ClientSampleId :
RVE-215



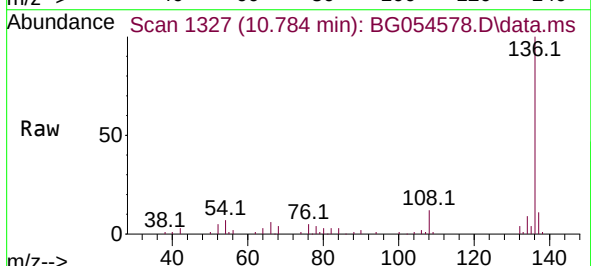
Tgt Ion: 99 Resp: 141893
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 43.6 33.8 50.8

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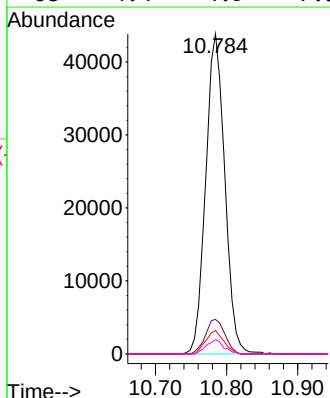
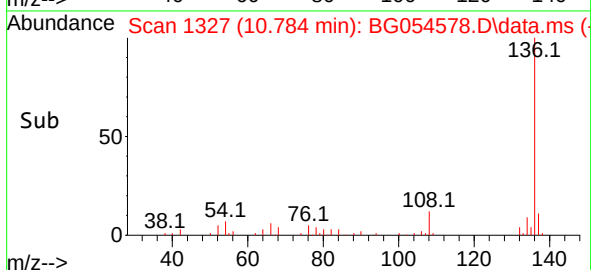
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

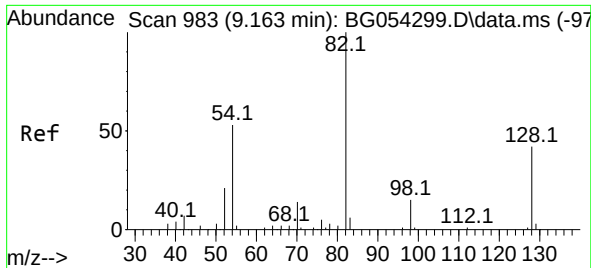


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.784 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49



Tgt Ion:136 Resp: 81558
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.3 7.4 11.2#
68 4.4 4.9 7.3#





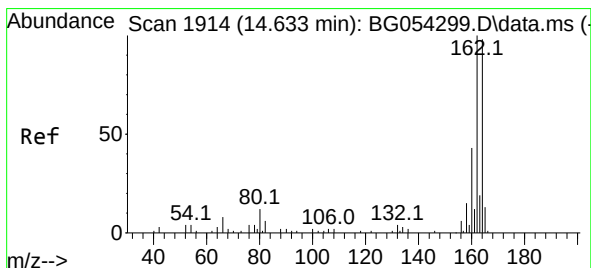
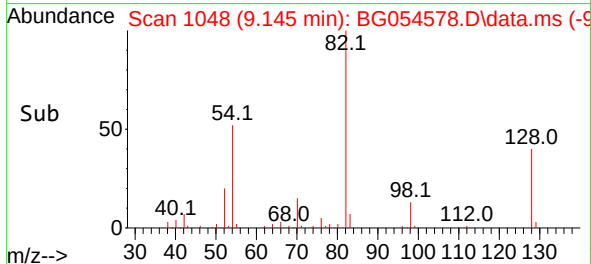
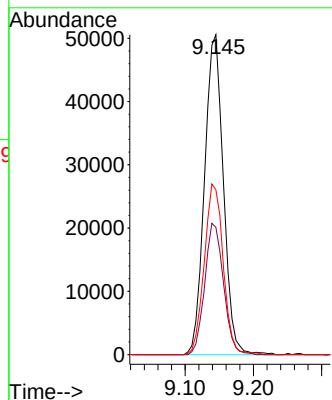
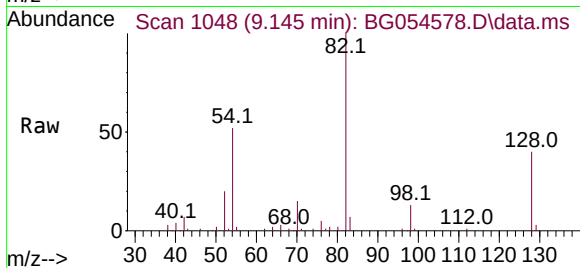
#23
Nitrobenzene-d5
Concen: 64.683 ng
RT: 9.145 min Scan# 10
Delta R.T. 0.003 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

Instrument :
BNA_G
ClientSampleId :
RVE-215

Tgt Ion: 82 Resp: 96873
Ion Ratio Lower Upper
82 100
128 39.8 27.9 41.9
54 51.5 41.2 61.8

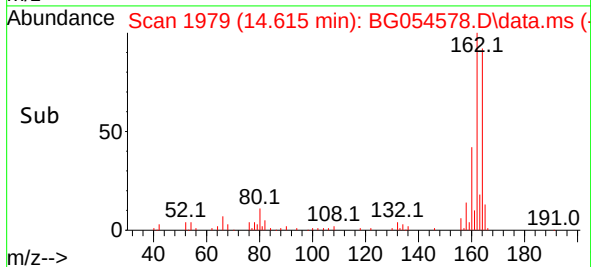
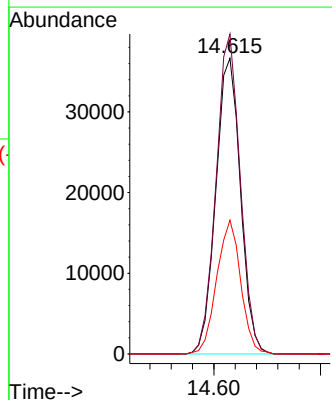
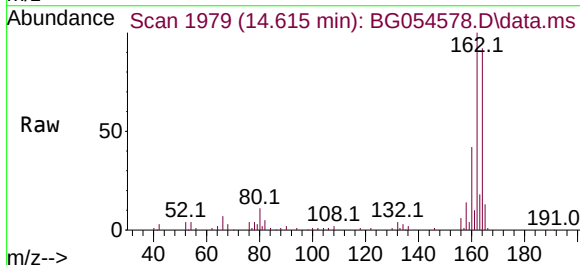
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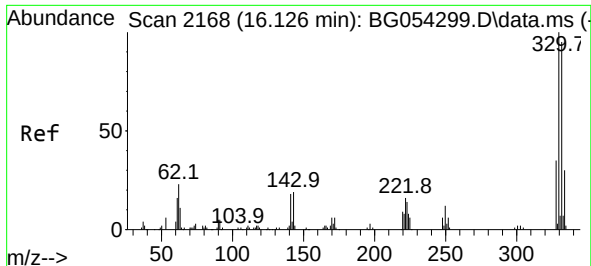
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

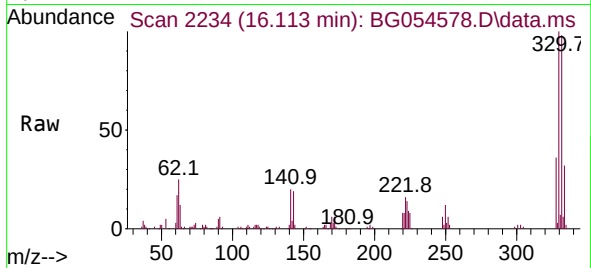
Tgt Ion:164 Resp: 58968
Ion Ratio Lower Upper
164 100
162 108.2 82.3 123.5
160 45.2 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 90.297 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

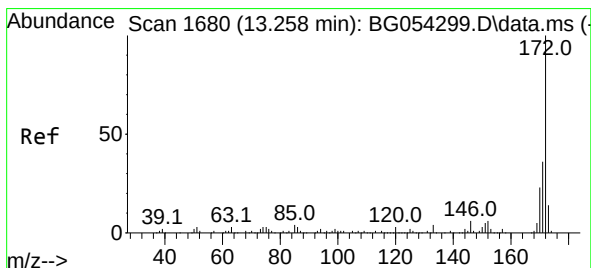
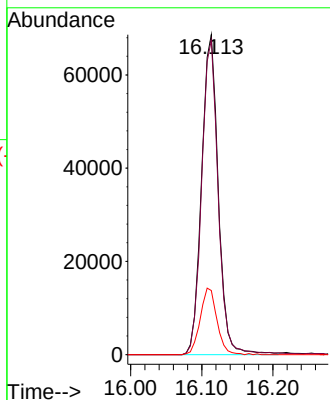
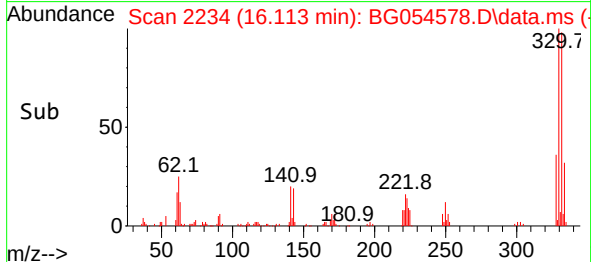
Instrument :
BNA_G
ClientSampleId :
RVE-215



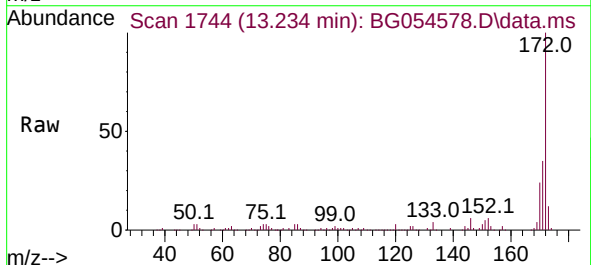
Tgt Ion:330 Resp: 111798
Ion Ratio Lower Upper
330 100
332 97.5 76.0 114.0
141 20.7 27.1 40.7

Manual Integrations
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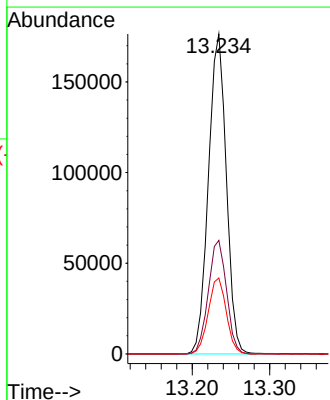
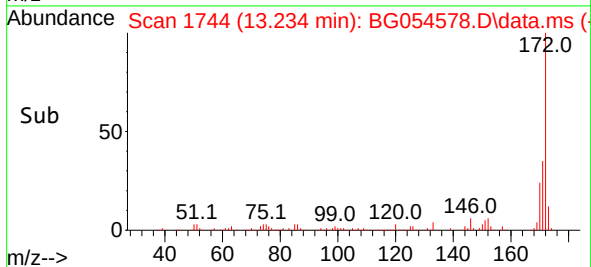
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

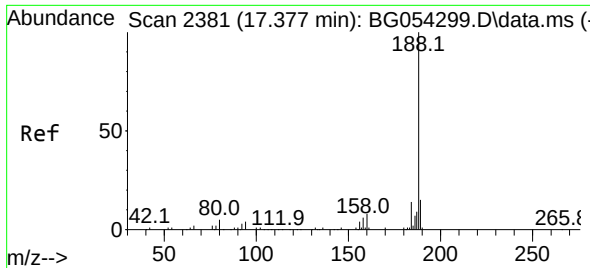


#45
2-Fluorobiphenyl
Concen: 67.579 ng
RT: 13.234 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49



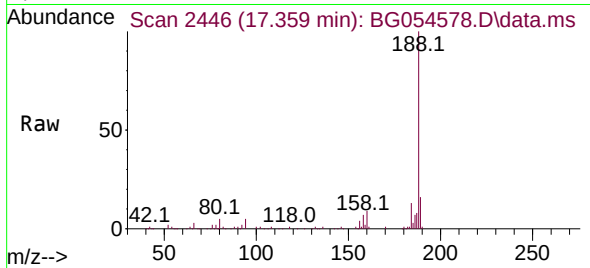
Tgt Ion:172 Resp: 282485
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

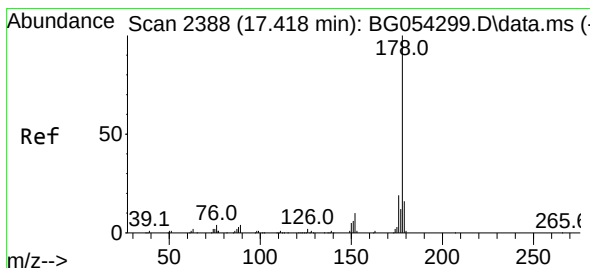
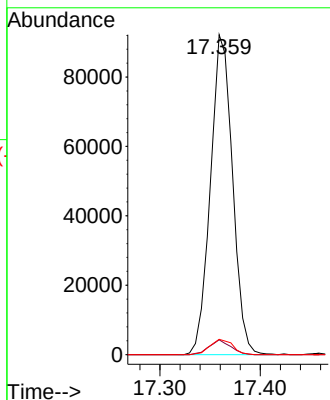
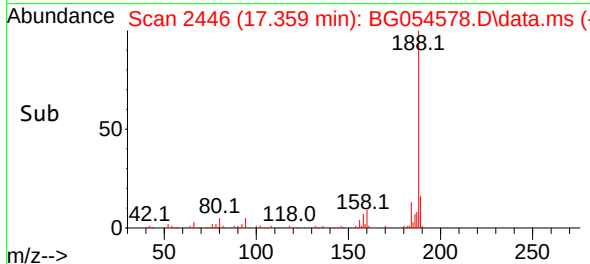
Instrument :
BNA_G
ClientSampleId :
RVE-215



Tgt Ion:188 Resp: 141107
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0
80 4.8 6.8 10.2

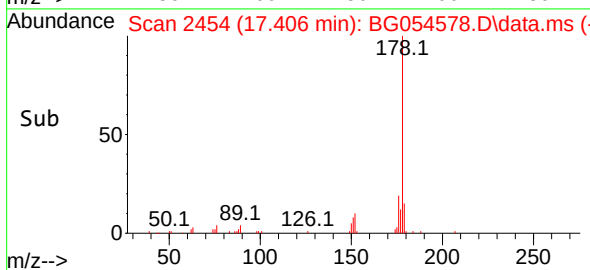
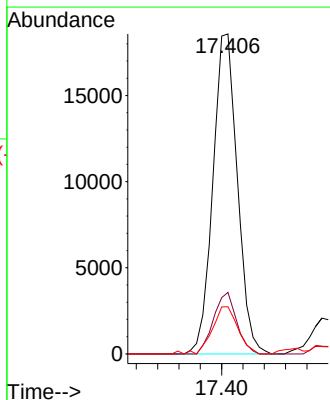
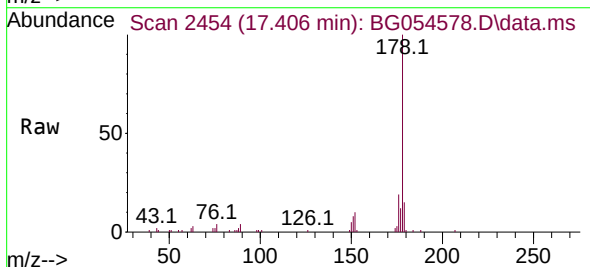
Manual Integrations
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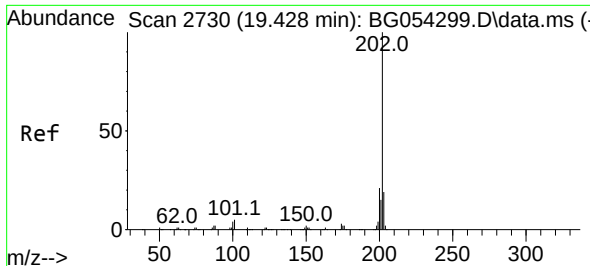
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#71
Phenanthrene
Concen: 4.222 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

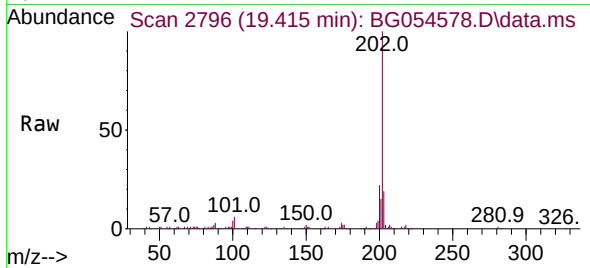
Tgt Ion:178 Resp: 29666
Ion Ratio Lower Upper
178 100
176 19.2 14.1 21.1
179 14.7 12.1 18.1





#75
Fluoranthene
Concen: 8.495 ng
RT: 19.415 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

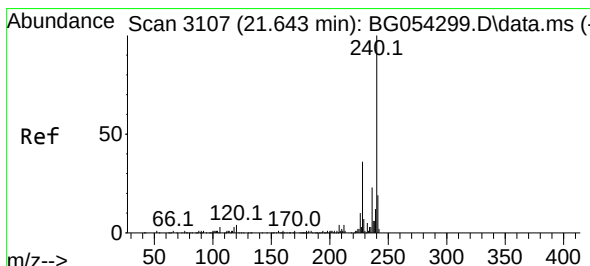
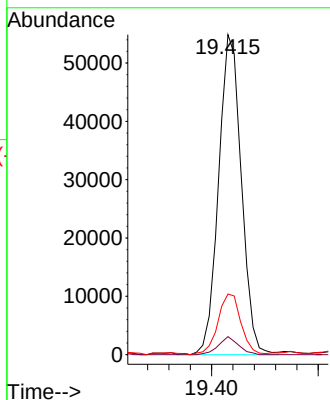
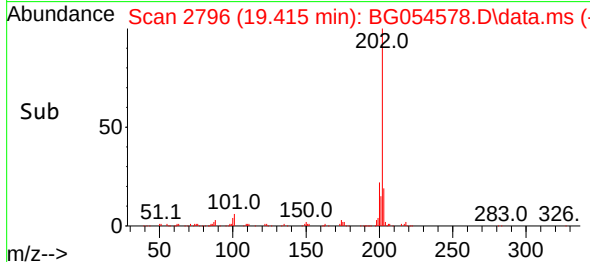
Instrument :
BNA_G
ClientSampleId :
RVE-215



Tgt Ion:202 Resp: 81374
Ion Ratio Lower Upper
202 100
101 5.6 0.0 26.9
203 18.9 0.0 37.2

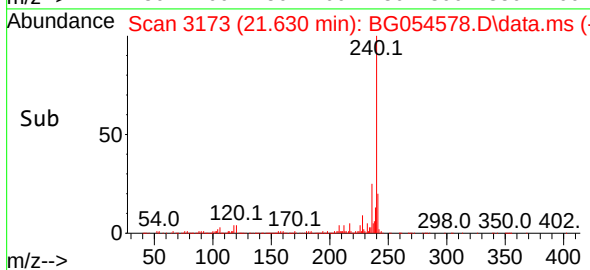
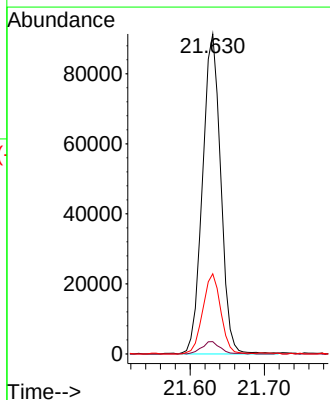
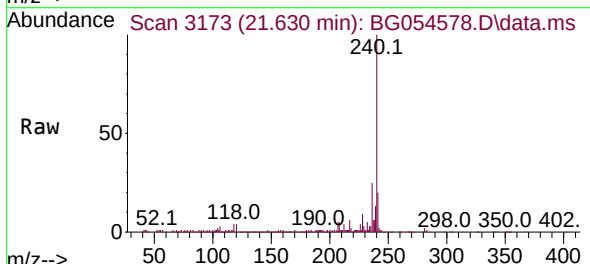
Manual Integrations
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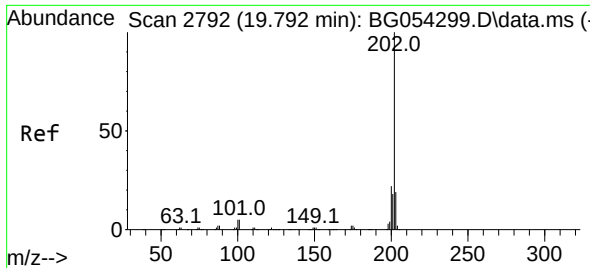
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

Tgt Ion:240 Resp: 155490
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.0 20.2 30.4





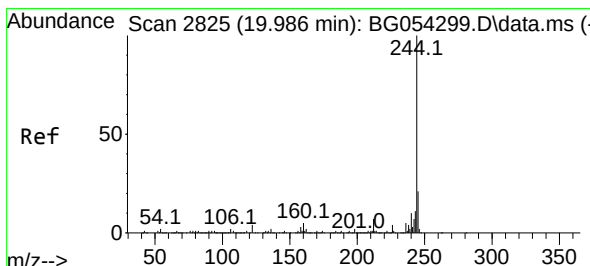
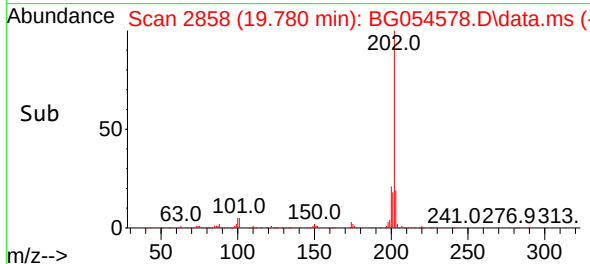
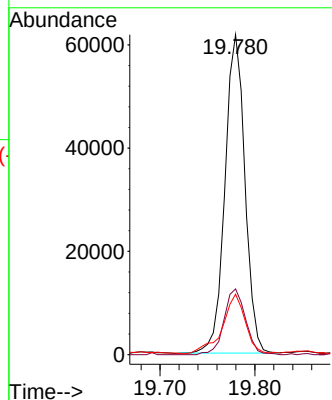
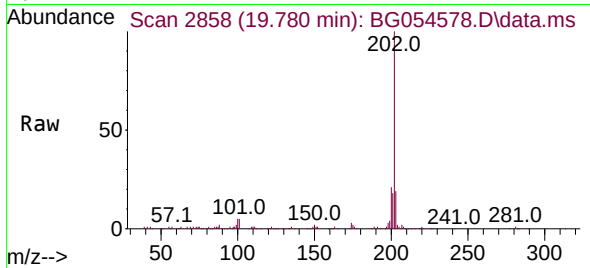
#78
Pyrene
Concen: 10.114 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

Instrument :
BNA_G
ClientSampleId :
RVE-215

Tgt Ion:202 Resp: 90236
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 18.9 14.6 21.8

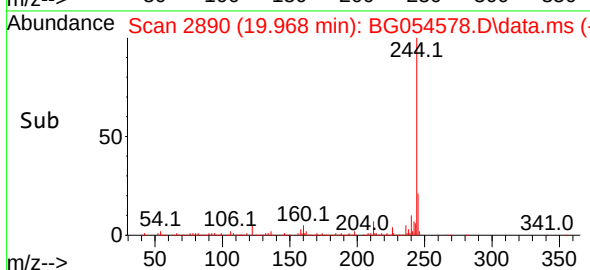
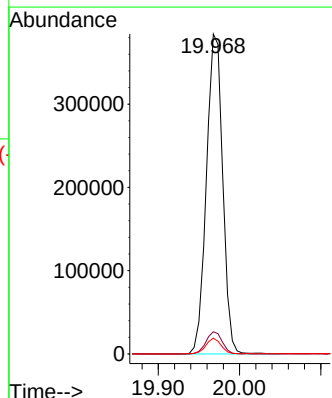
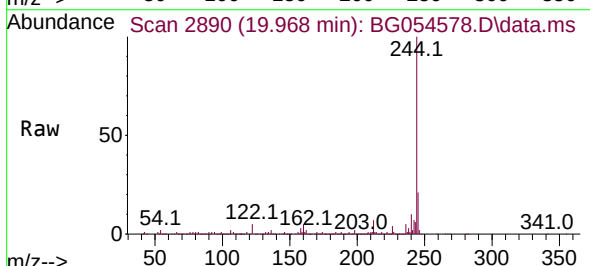
Manual Integrations
APPROVED

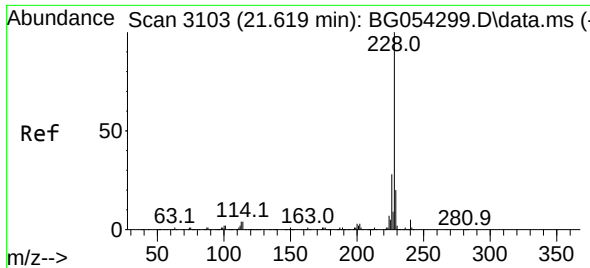
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#79
Terphenyl-d14
Concen: 68.412 ng
RT: 19.968 min Scan# 2890
Delta R.T. -0.002 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

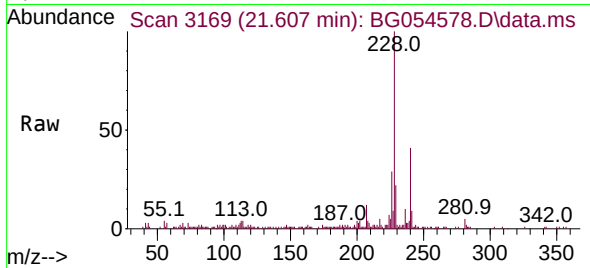
Tgt Ion:244 Resp: 536214
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 4.9 5.0 7.4





#81
Benzo(a)anthracene
Concen: 5.866 ng
RT: 21.607 min Scan# 3103
Delta R.T. -0.008 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

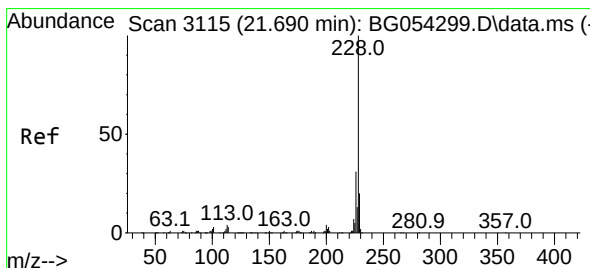
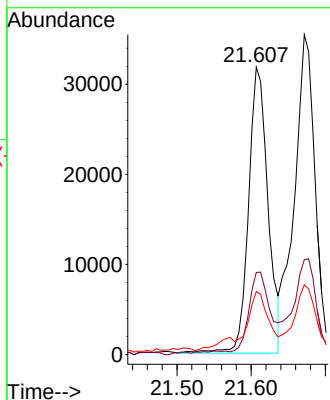
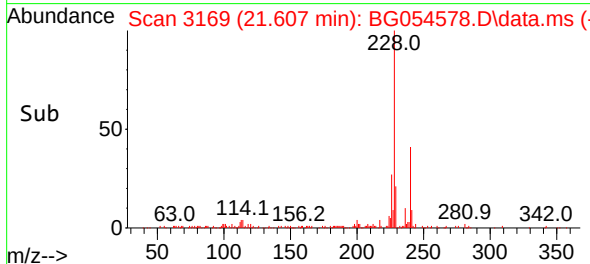
Instrument :
BNA_G
ClientSampleId :
RVE-215



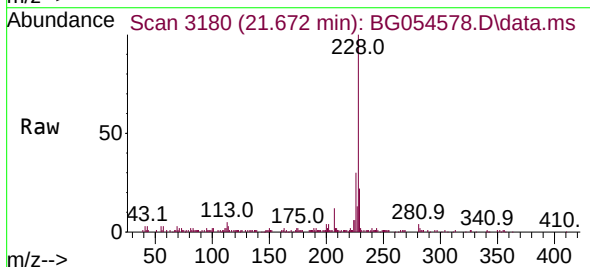
Tgt Ion:228 Resp: 57899
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 22.0 16.2 24.2

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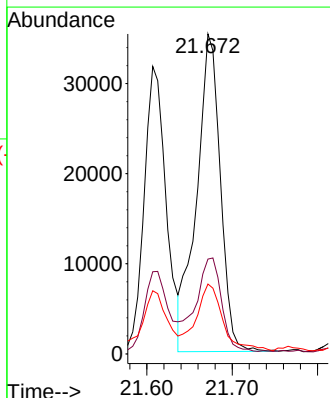
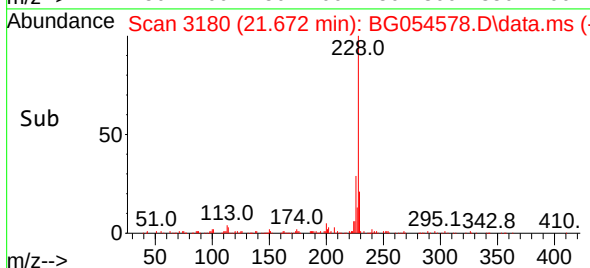
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

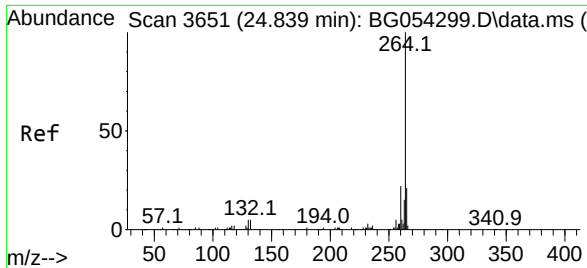


#83
Chrysene
Concen: 7.323 ng
RT: 21.672 min Scan# 3180
Delta R.T. -0.008 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49



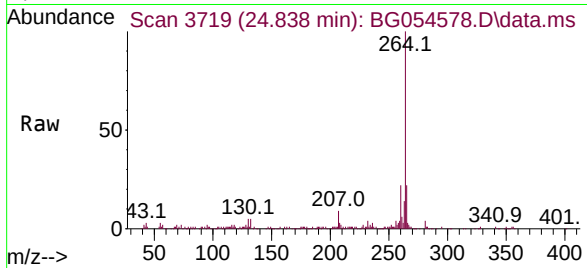
Tgt Ion:228 Resp: 68292
Ion Ratio Lower Upper
228 100
226 29.6 23.4 35.2
229 21.8 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.838 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: BG054578.D
 Acq: 9 Aug 2022 20:49

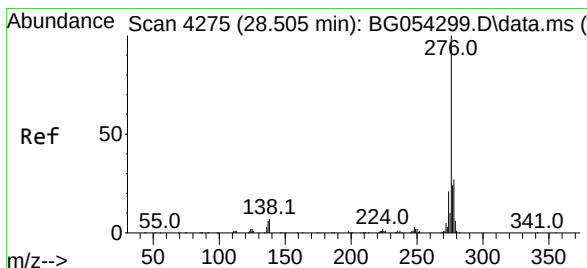
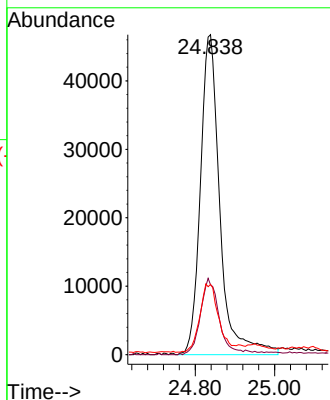
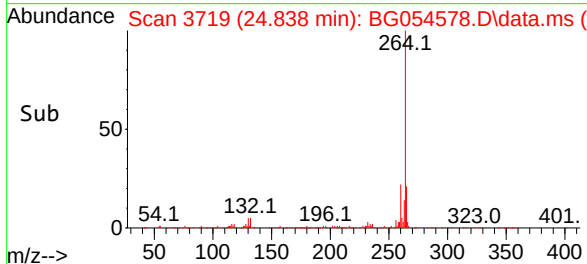
Instrument :
 BNA_G
 ClientSampleId :
 RVE-215



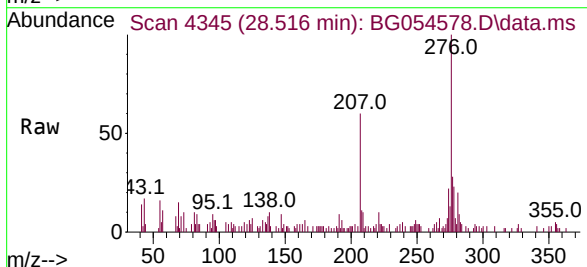
Tgt Ion:264 Resp: 159539
 Ion Ratio Lower Upper
 264 100
 260 21.8 19.0 28.6
 265 21.9 17.4 26.2

Manual Integrations
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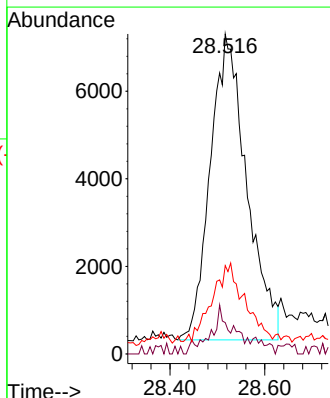
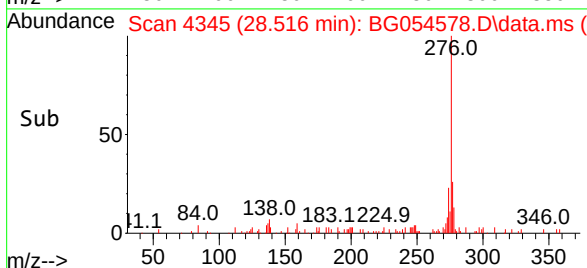
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022

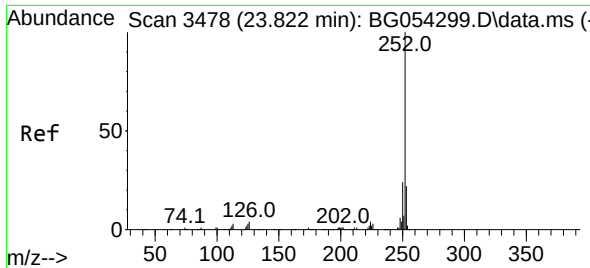


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.074 ng
 RT: 28.516 min Scan# 4345
 Delta R.T. -0.014 min
 Lab File: BG054578.D
 Acq: 9 Aug 2022 20:49



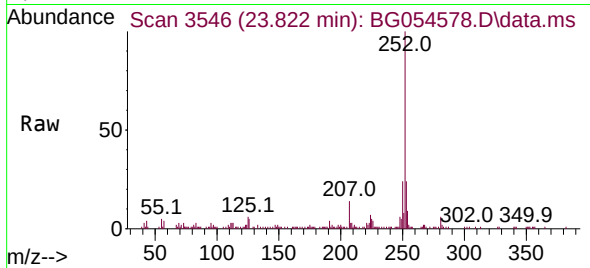
Tgt Ion:276 Resp: 37306
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.0 7.4#
 277 22.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 10.645 ng
RT: 23.822 min Scan# 3555
Delta R.T. 0.003 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

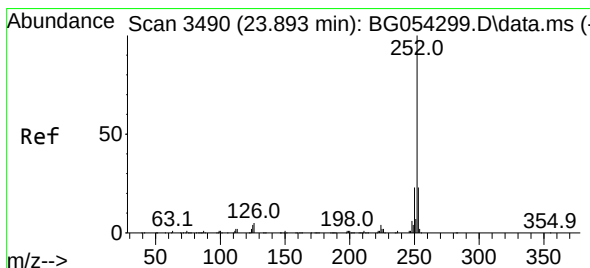
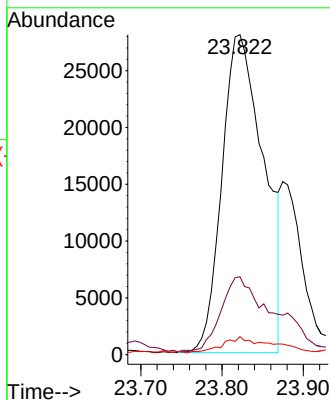
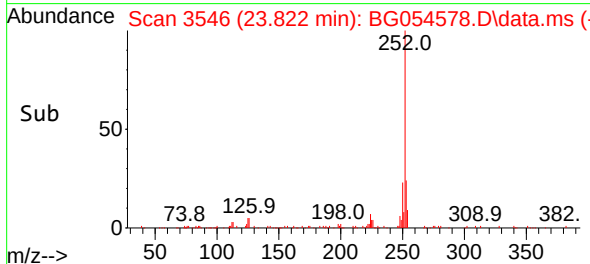
Instrument :
BNA_G
ClientSampleId :
RVE-215



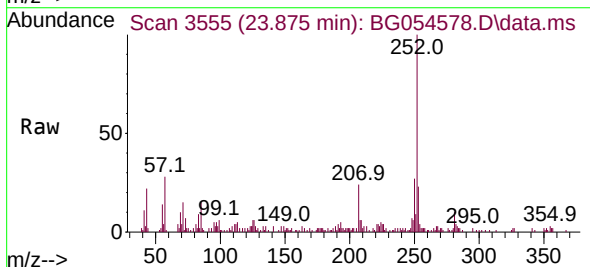
Tgt Ion:252 Resp: 100433
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 5.6 4.6 6.8

Manual Integrations
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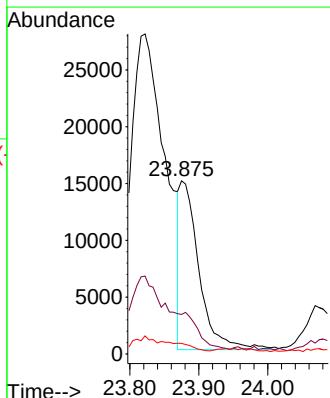
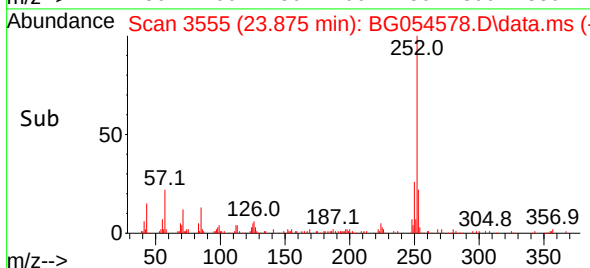
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

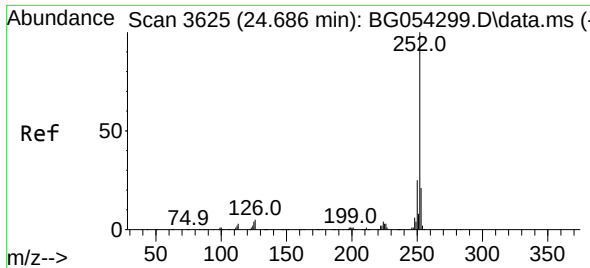


#89
Benzo(k)fluoranthene
Concen: 3.065 ng m
RT: 23.875 min Scan# 3555
Delta R.T. -0.008 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49



Tgt Ion:252 Resp: 28782
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 6.1 4.8 7.2





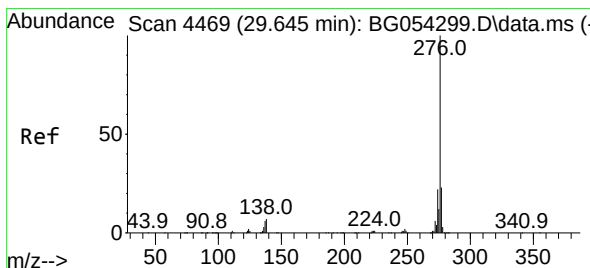
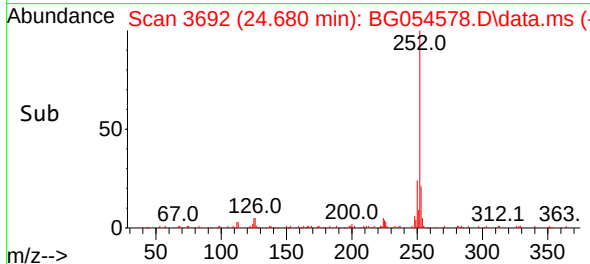
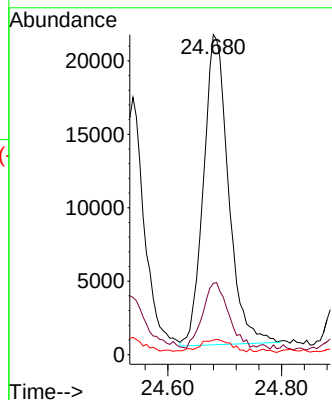
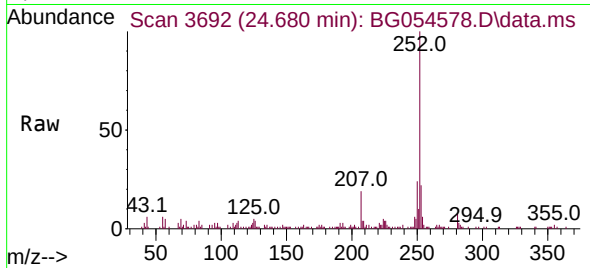
#90
Benzo(a)pyrene
Concen: 7.994 ng
RT: 24.680 min Scan# 3625
Delta R.T. -0.008 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

Instrument :
BNA_G
ClientSampleId :
RVE-215

Tgt Ion:252 Resp: 64413
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 4.5 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#92
Benzo(g,h,i)perylene
Concen: 3.804 ng
RT: 29.680 min Scan# 4543
Delta R.T. 0.003 min
Lab File: BG054578.D
Acq: 9 Aug 2022 20:49

Tgt Ion:276 Resp: 37470
Ion Ratio Lower Upper
276 100
277 23.4 17.3 25.9
138 10.3 9.6 14.4

