

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054566.D
 Acq On : 9 Aug 2022 12:12
 Operator : CG/JU
 Sample : N3963-19
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-223

Manual Integrations
 APPROVED

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

Quant Time: Aug 09 17:01:49 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	18029	20.000	ng	# 0.00
21) Naphthalene-d8	10.785	136	67266	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	50973	20.000	ng	0.00
64) Phenanthrene-d10	17.359	188	137450	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	154677	20.000	ng	# 0.00
86) Perylene-d12	24.827	264	164058	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	106167	122.949	ng	0.00
7) Phenol-d6	7.177	99	138251	116.843	ng	0.00
23) Nitrobenzene-d5	9.139	82	93598	75.775	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	131047	122.446	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	277403	76.772	ng	0.00
79) Terphenyl-d14	19.968	244	611692	78.452	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.406	178	28371	4.145	ng	96
75) Fluoranthene	19.416	202	84132	9.017	ng	95
78) Pyrene	19.780	202	87682	9.879	ng	100
81) Benzo(a)anthracene	21.607	228	58632	5.971	ng	99
83) Chrysene	21.672	228	61883	6.671	ng	97
87) Indeno(1,2,3-cd)pyrene	28.505	276	54916	4.400	ng	96
88) Benzo(b)fluoranthene	23.816	252	96715	9.968	ng	97
89) Benzo(k)fluoranthene	23.875	252	32393m	3.355	ng	
90) Benzo(a)pyrene	24.680	252	65317	7.883	ng	100
92) Benzo(g,h,i)perylene	29.668	276	57581	5.685	ng	96

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

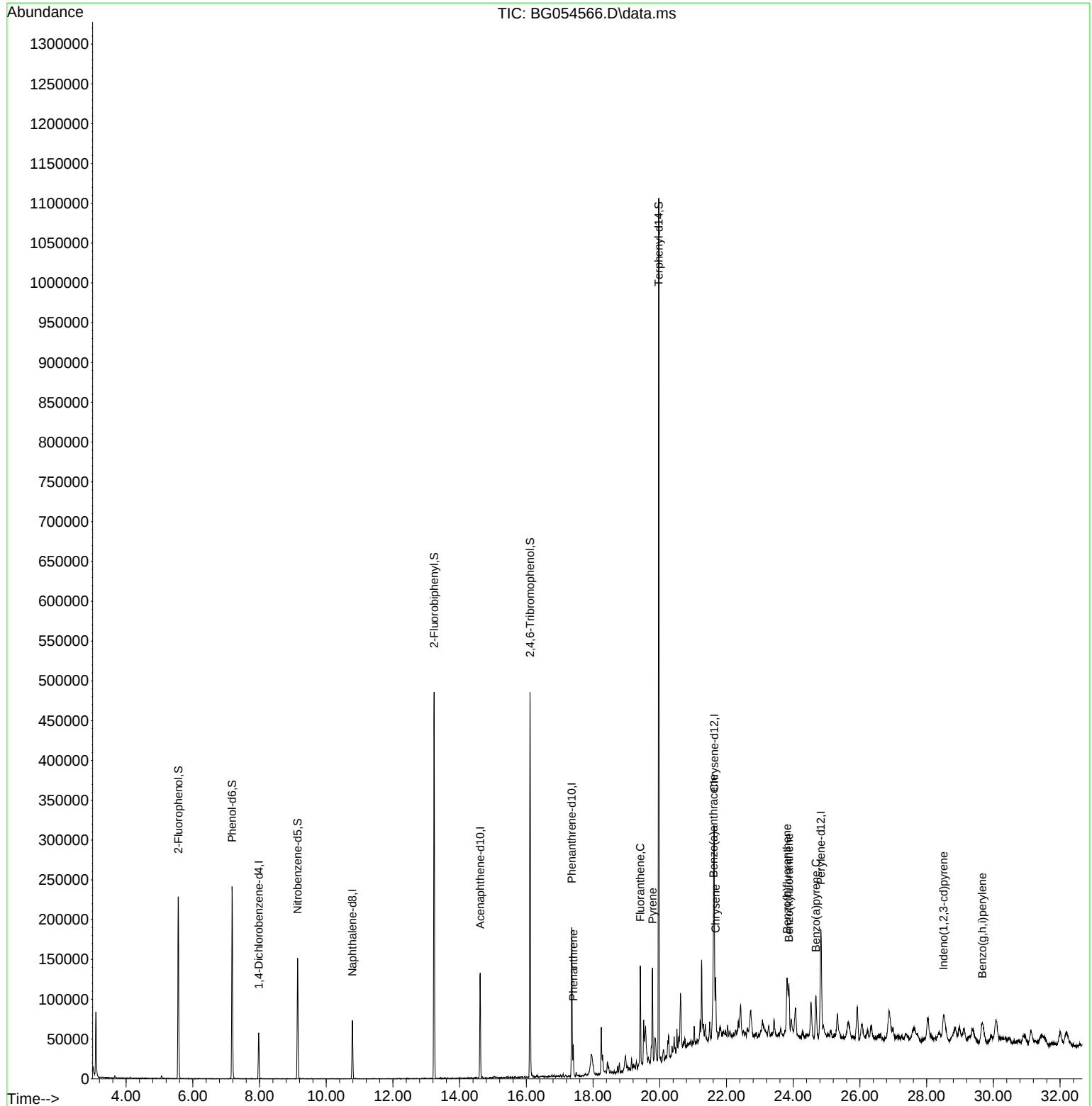
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
Data File : BG054566.D
Acq On : 9 Aug 2022 12:12
Operator : CG/JU
Sample : N3963-19
Misc :
ALS Vial : 4 Sample Multiplier: 1

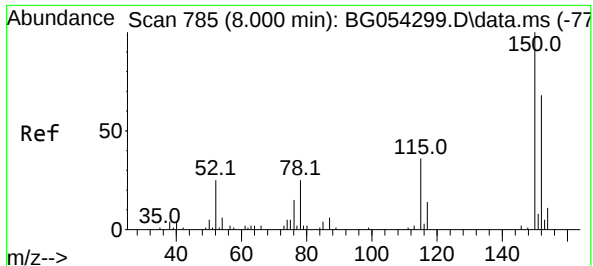
Instrument :
BNA_G
ClientSampleId :
RVE-223

Quant Time: Aug 09 17:01:49 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
APPROVED

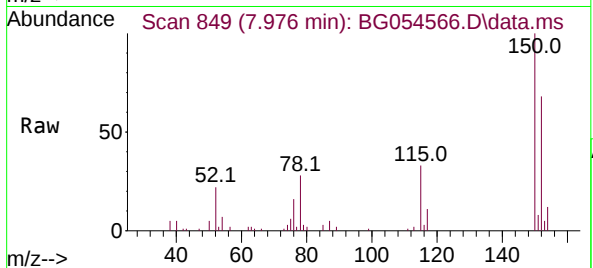
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

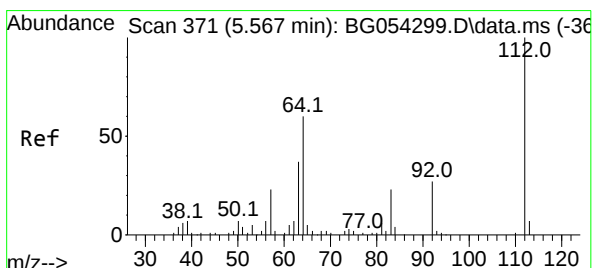
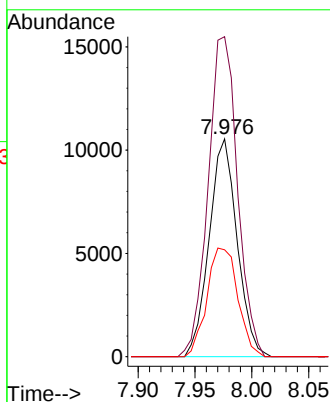
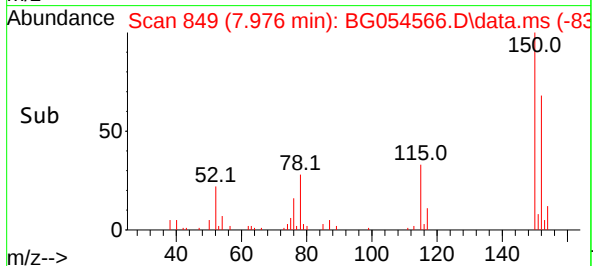
Instrument :
BNA_G
ClientSampleId :
RVE-223



Tgt Ion:152 Resp: 18029
Ion Ratio Lower Upper
152 100
150 147.0 131.6 197.4
115 49.0 50.9 76.3

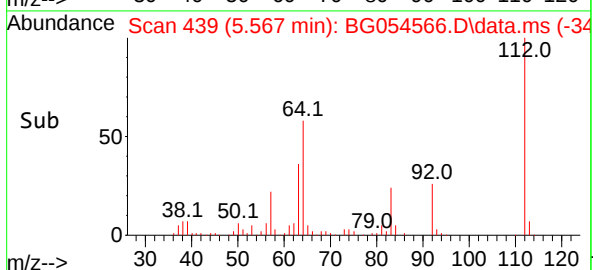
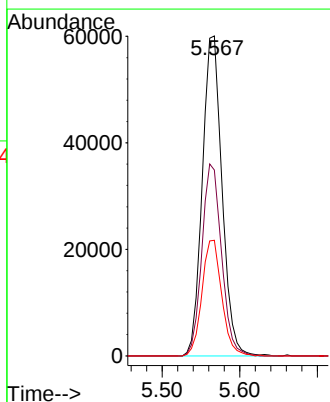
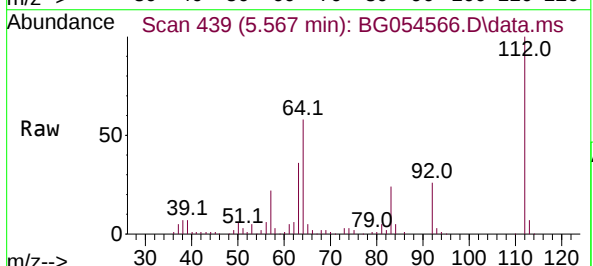
Manual Integrations
APPROVED

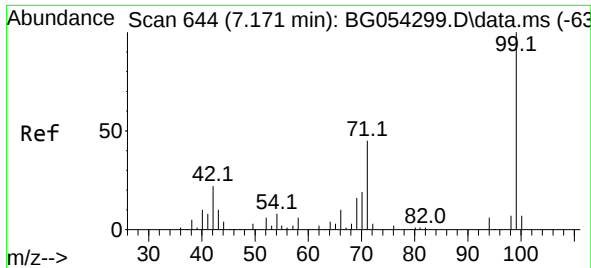
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#5
2-Fluorophenol
Concen: 122.949 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.004 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

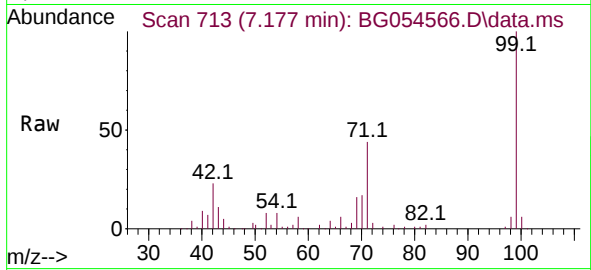
Tgt Ion:112 Resp: 106167
Ion Ratio Lower Upper
112 100
64 58.1 55.1 82.7
63 36.1 30.4 45.6





#7
Phenol-d6
Concen: 116.843 ng
RT: 7.177 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

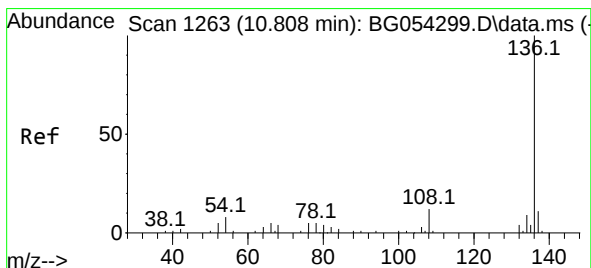
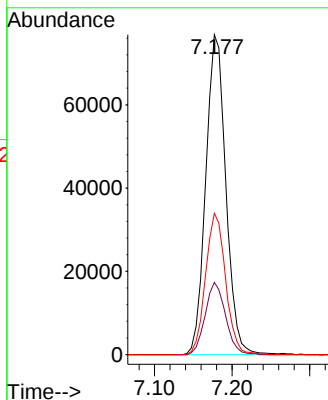
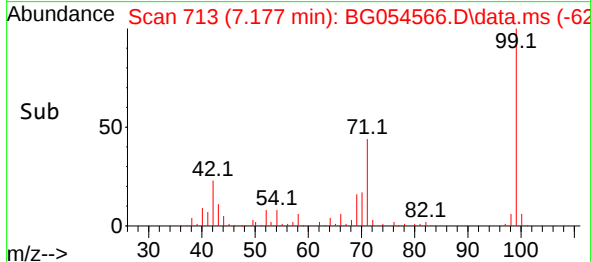
Instrument :
BNA_G
ClientSampleId :
RVE-223



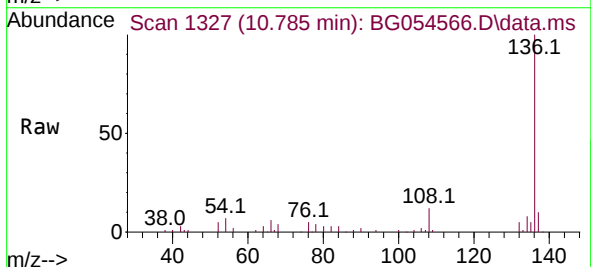
Tgt Ion: 99 Resp: 13825
Ion Ratio Lower Upper
99 100
42 22.6 17.0 25.6
71 44.2 33.8 50.8

Manual Integrations
APPROVED

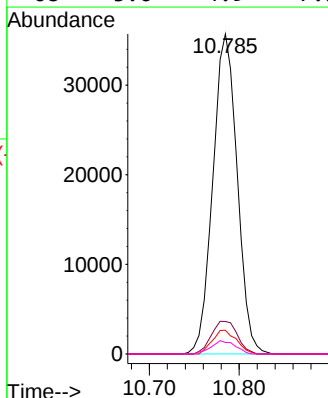
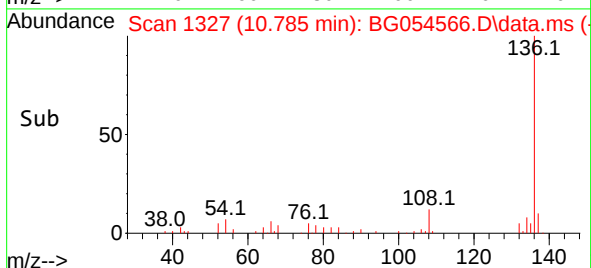
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

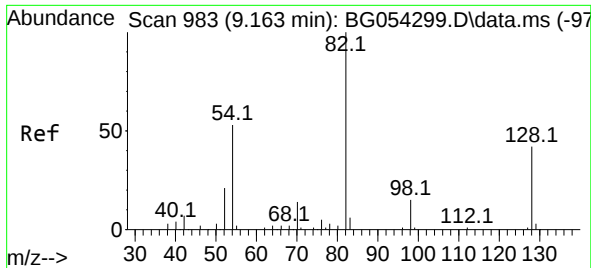


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12



Tgt Ion:136 Resp: 67266
Ion Ratio Lower Upper
136 100
137 10.1 8.5 12.7
54 7.4 7.4 11.2#
68 3.6 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 75.775 ng
RT: 9.139 min Scan# 10
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

Instrument :

BNA_G

ClientSampleId :

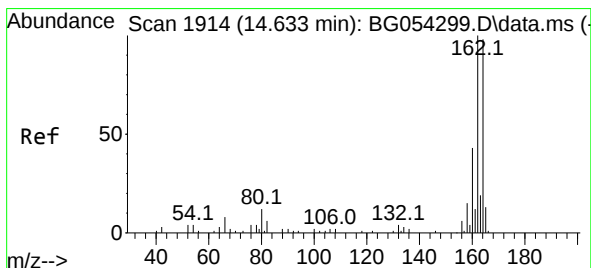
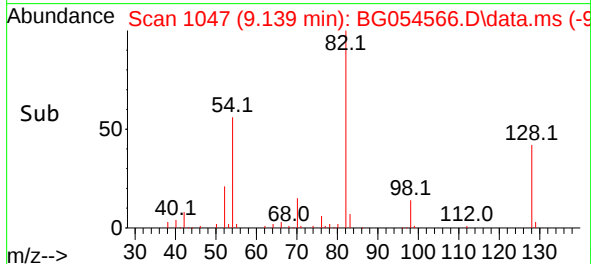
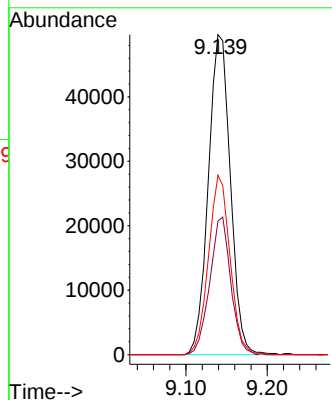
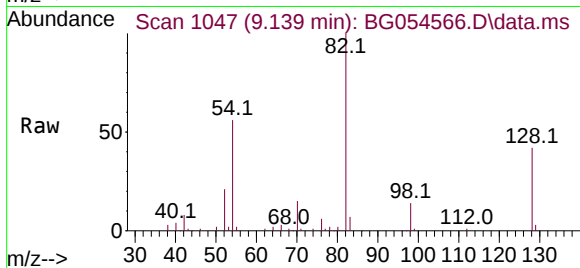
RVE-223

Tgt Ion: 82 Resp: 93598
Ion Ratio Lower Upper
82 100
128 41.7 27.9 41.9
54 56.0 41.2 61.8

Manual Integrations

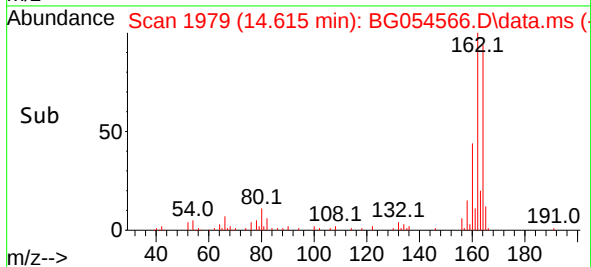
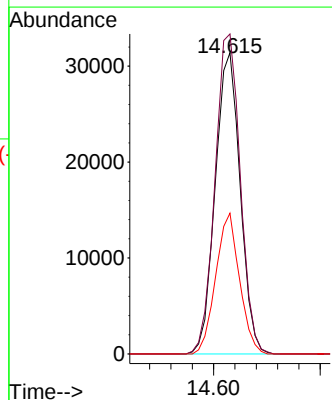
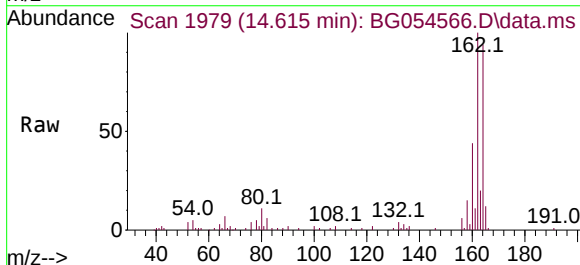
APPROVED

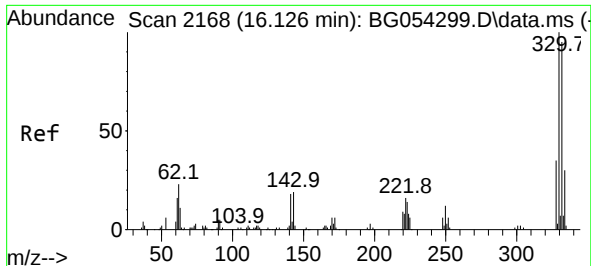
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

Tgt Ion:164 Resp: 50973
Ion Ratio Lower Upper
164 100
162 106.3 82.3 123.5
160 46.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 122.446 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

Instrument :

BNA_G

ClientSampleId :

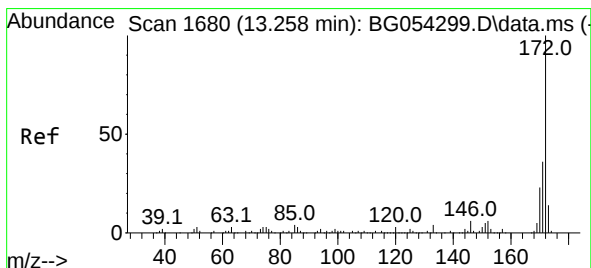
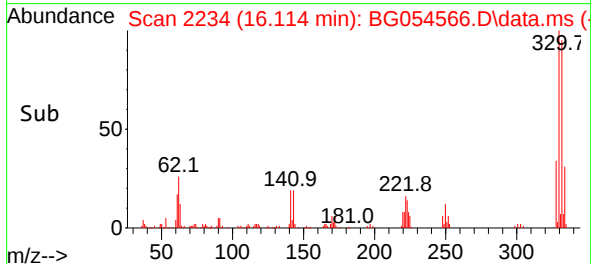
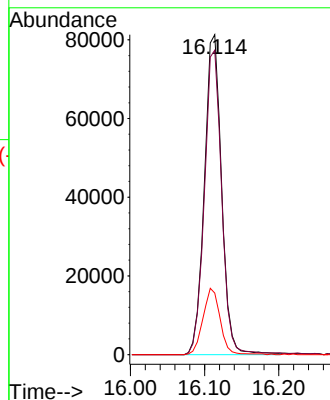
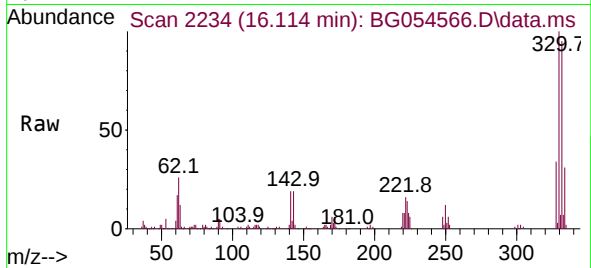
RVE-223

Tgt Ion:330 Resp: 131047
Ion Ratio Lower Upper
330 100
332 95.1 76.0 114.0
141 20.6 27.1 40.7

Manual Integrations

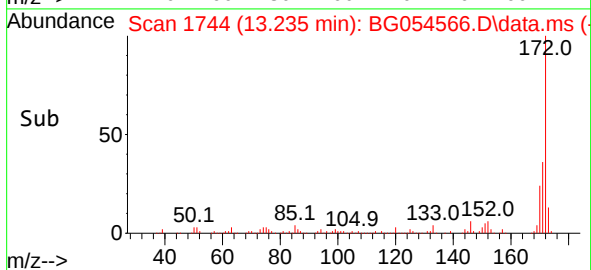
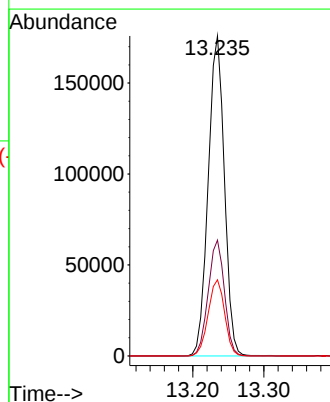
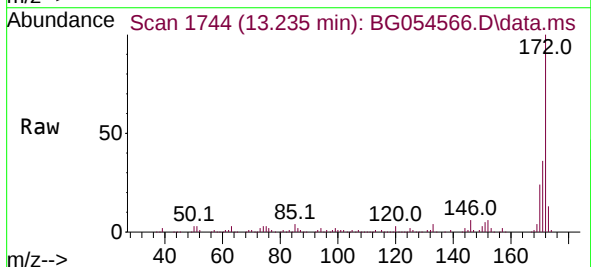
APPROVED

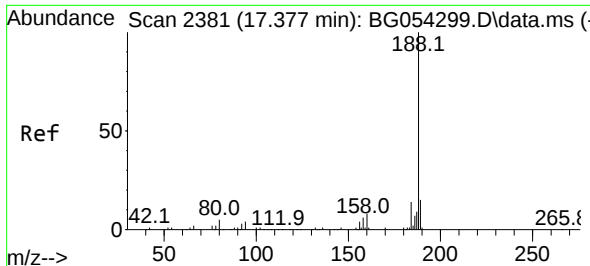
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#45
2-Fluorobiphenyl
Concen: 76.772 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

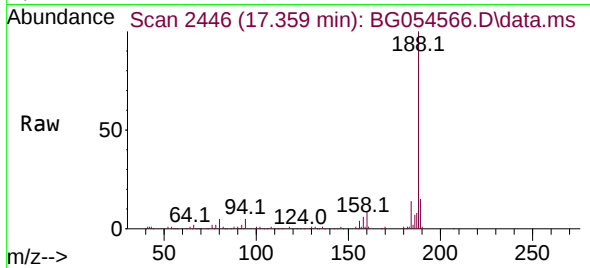
Tgt Ion:172 Resp: 277403
Ion Ratio Lower Upper
172 100
171 36.2 28.5 42.7
170 23.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

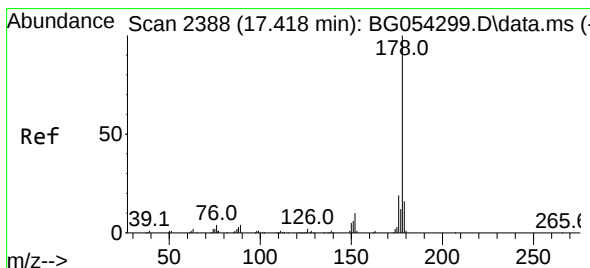
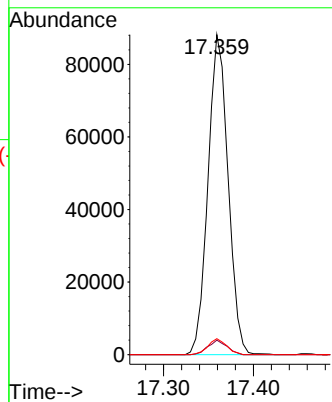
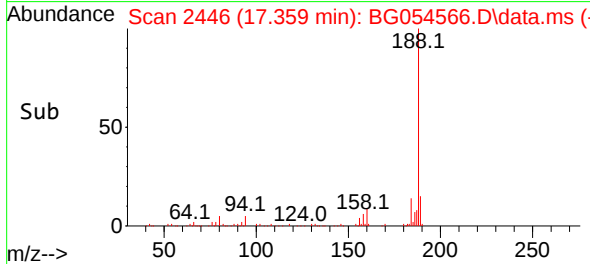
Instrument :
BNA_G
ClientSampleId :
RVE-223



Tgt Ion:188 Resp: 137450
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0
80 5.0 6.8 10.2

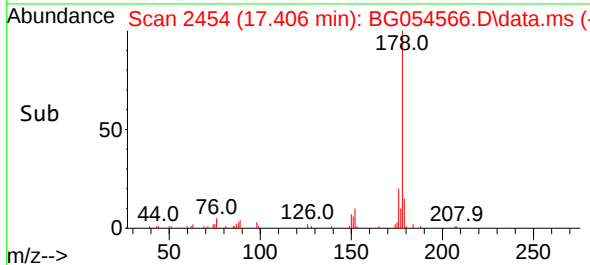
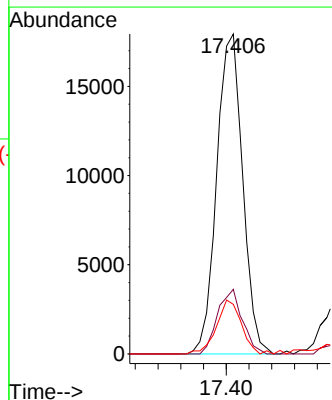
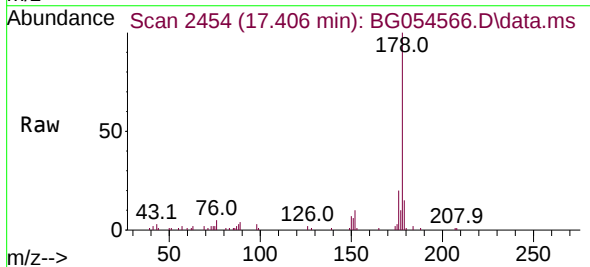
Manual Integrations
APPROVED

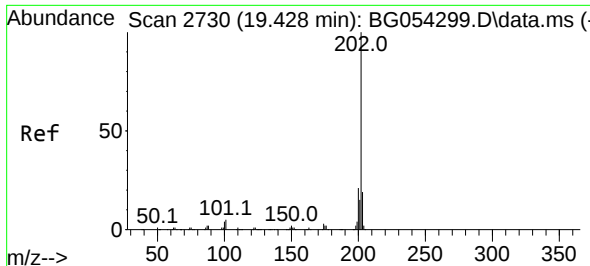
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#71
Phenanthrene
Concen: 4.145 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

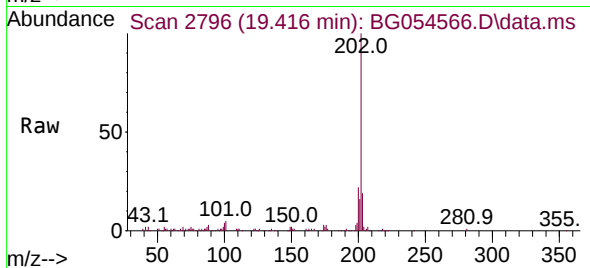
Tgt Ion:178 Resp: 28371
Ion Ratio Lower Upper
178 100
176 20.2 14.1 21.1
179 15.5 12.1 18.1





#75
Fluoranthene
Concen: 9.017 ng
RT: 19.416 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

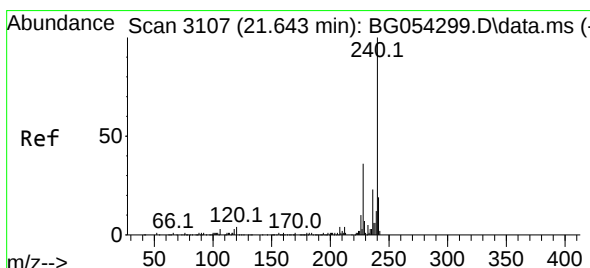
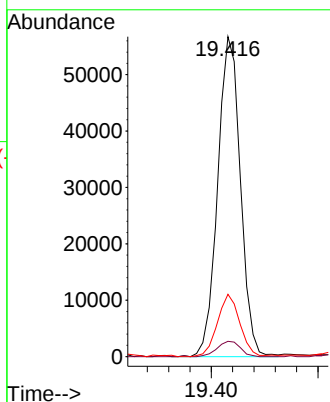
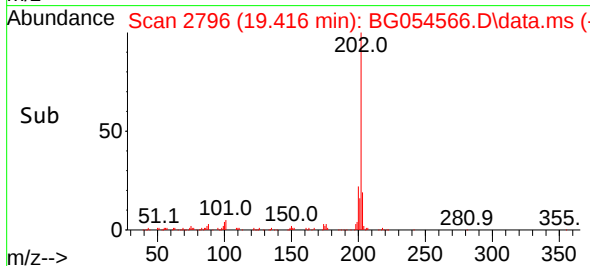
Instrument :
BNA_G
ClientSampleId :
RVE-223



Tgt Ion:202 Resp: 84132
Ion Ratio Lower Upper
202 100
101 4.8 0.0 26.9
203 19.5 0.0 37.2

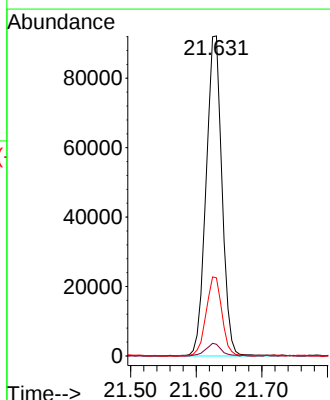
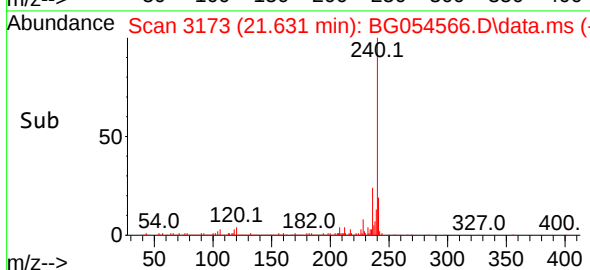
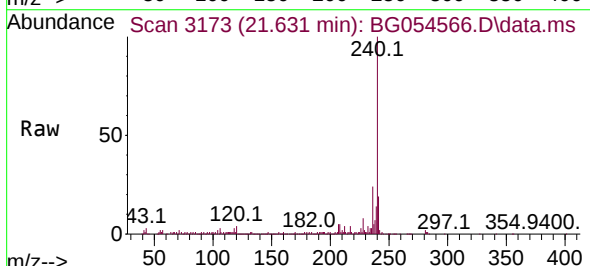
Manual Integrations
APPROVED

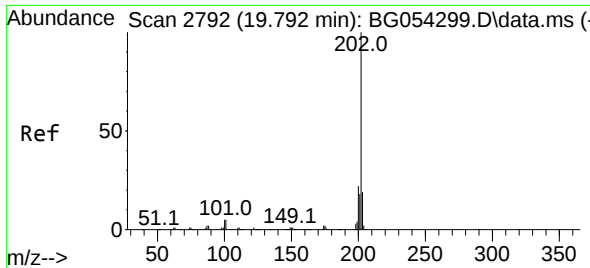
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

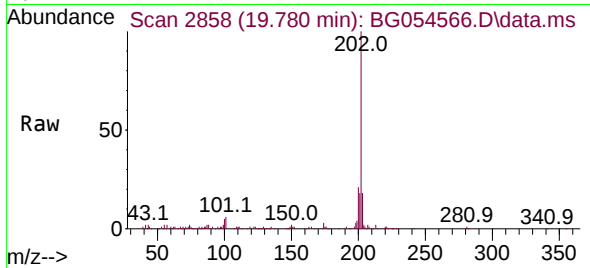
Tgt Ion:240 Resp: 154677
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.4 20.2 30.4





#78
Pyrene
Concen: 9.879 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

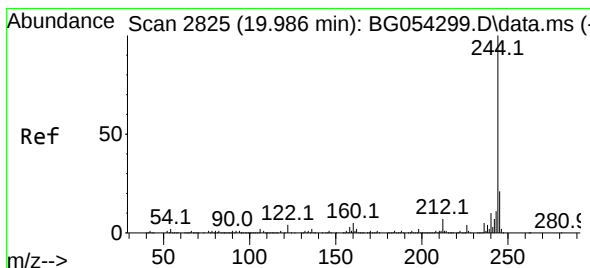
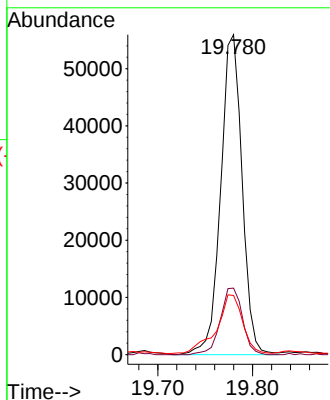
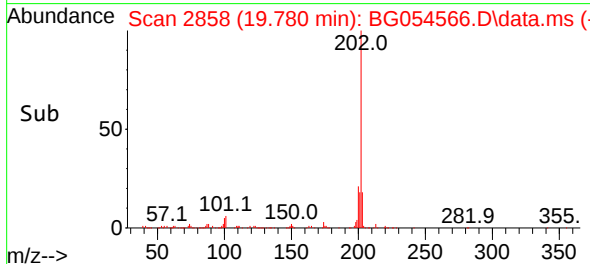
Instrument :
BNA_G
ClientSampleId :
RVE-223



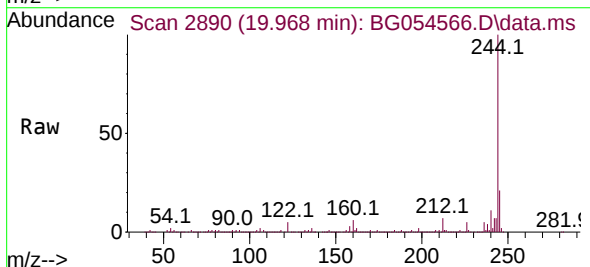
Tgt Ion:202 Resp: 87682
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 18.5 14.6 21.8

Manual Integrations
APPROVED

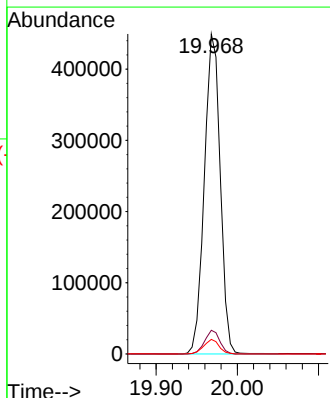
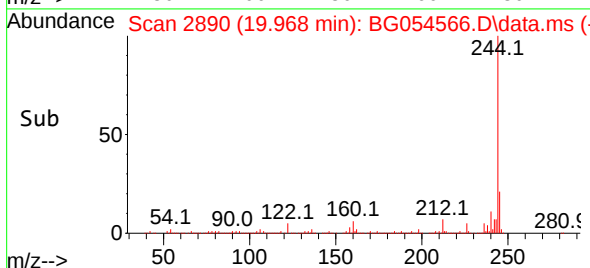
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

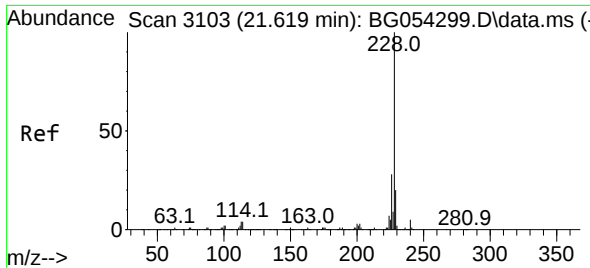


#79
Terphenyl-d14
Concen: 78.452 ng
RT: 19.968 min Scan# 2890
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12



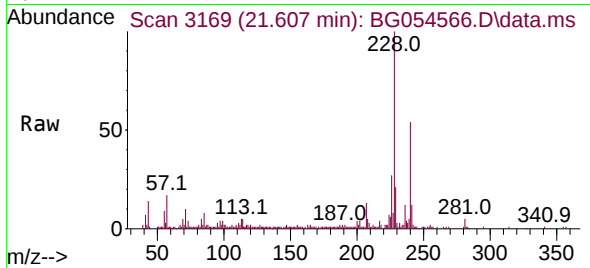
Tgt Ion:244 Resp: 611692
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 4.5 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 5.971 ng
RT: 21.607 min Scan# 3103
Delta R.T. -0.008 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

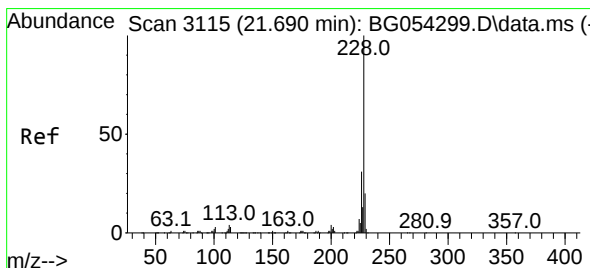
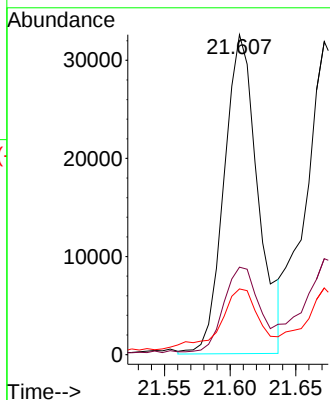
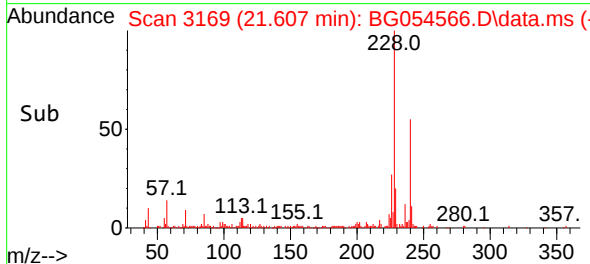
Instrument :
BNA_G
ClientSampleId :
RVE-223



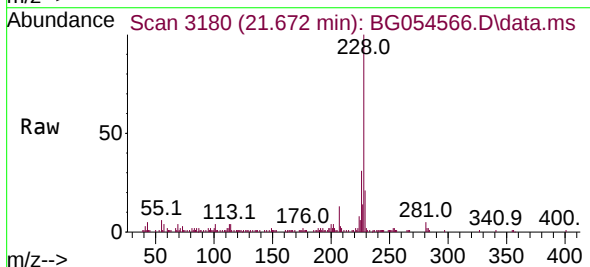
Tgt Ion:228 Resp: 58632
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 20.5 16.2 24.2

Manual Integrations
APPROVED

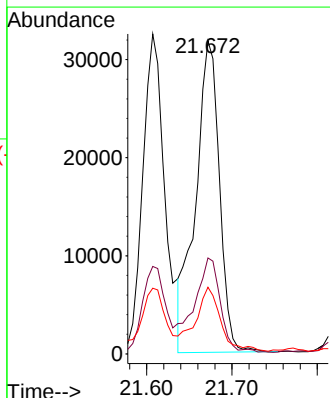
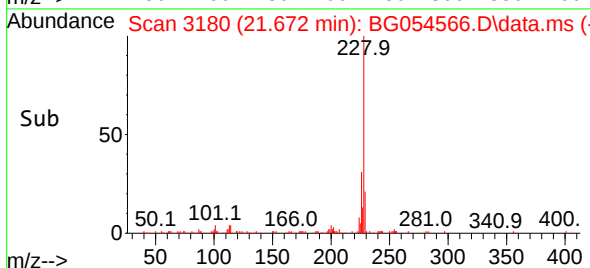
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

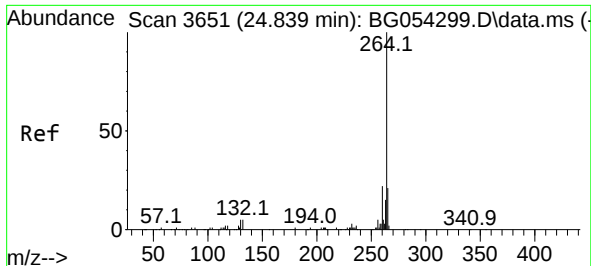


#83
Chrysene
Concen: 6.671 ng
RT: 21.672 min Scan# 3180
Delta R.T. -0.008 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12



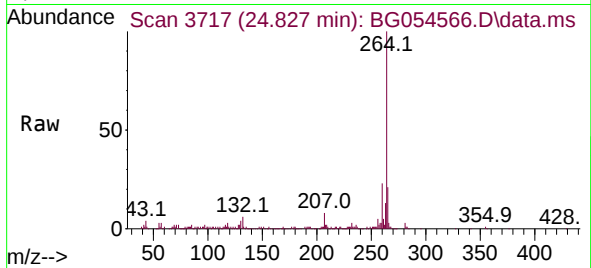
Tgt Ion:228 Resp: 61883
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 21.3 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.827 min Scan# 31
 Delta R.T. -0.008 min
 Lab File: BG054566.D
 Acq: 9 Aug 2022 12:12

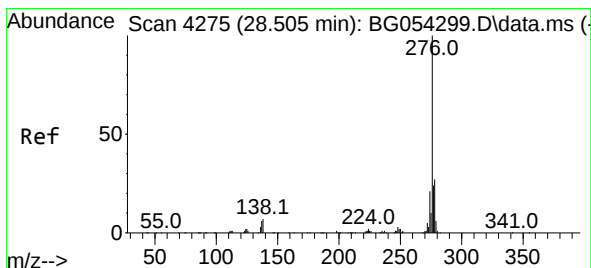
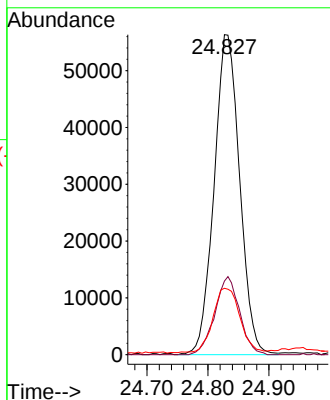
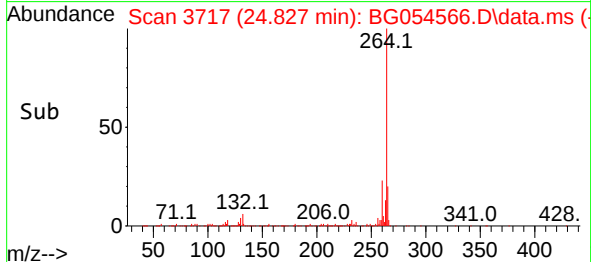
Instrument :
 BNA_G
 ClientSampleId :
 RVE-223



Tgt Ion:264 Resp: 164058
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.6
 265 20.7 17.4 26.2

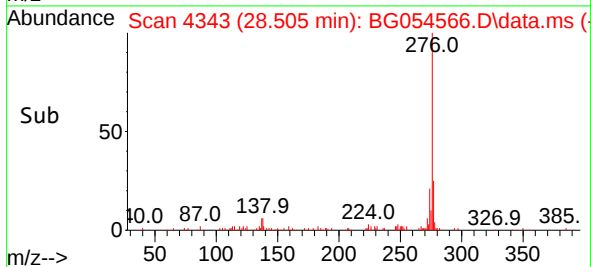
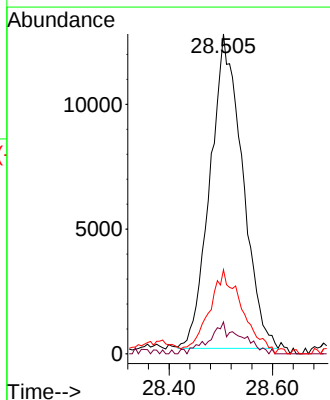
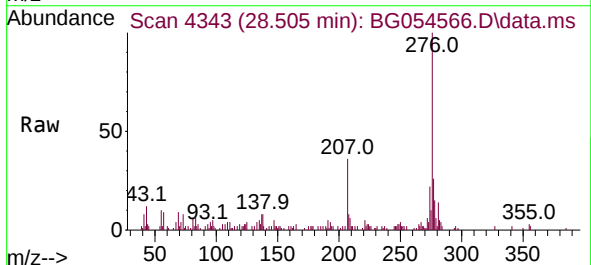
Manual Integrations
 APPROVED

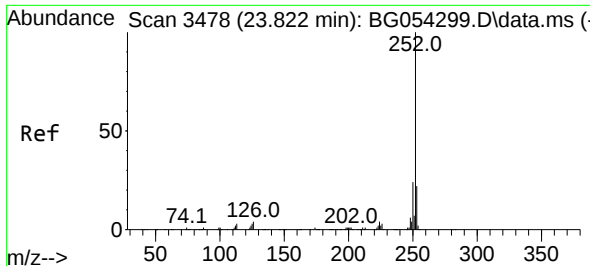
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.400 ng
 RT: 28.505 min Scan# 4343
 Delta R.T. -0.026 min
 Lab File: BG054566.D
 Acq: 9 Aug 2022 12:12

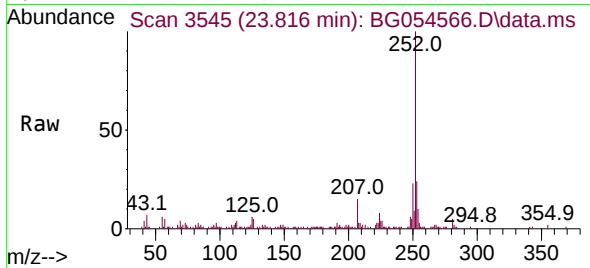
Tgt Ion:276 Resp: 54916
 Ion Ratio Lower Upper
 276 100
 138 5.7 5.0 7.4
 277 27.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 9.968 ng
RT: 23.816 min Scan# 3555
Delta R.T. -0.002 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

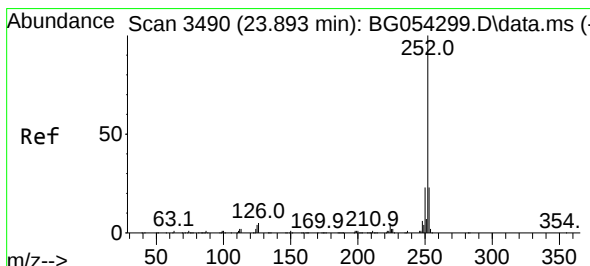
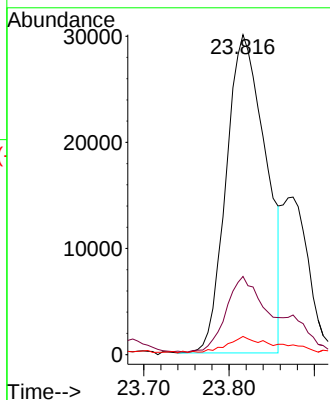
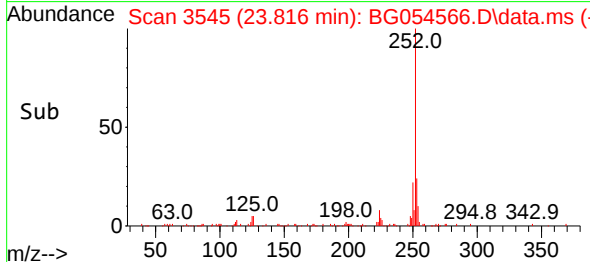
Instrument :
BNA_G
ClientSampleId :
RVE-223



Tgt Ion:252 Resp: 96715
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 5.7 4.6 6.8

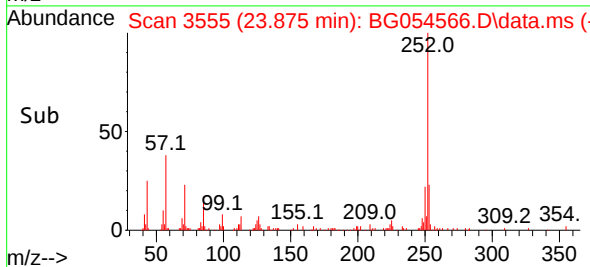
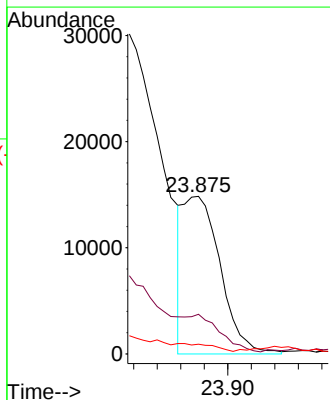
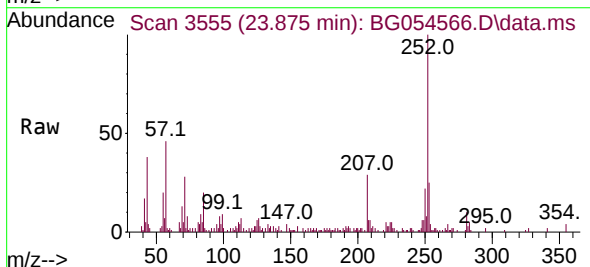
Manual Integrations
APPROVED

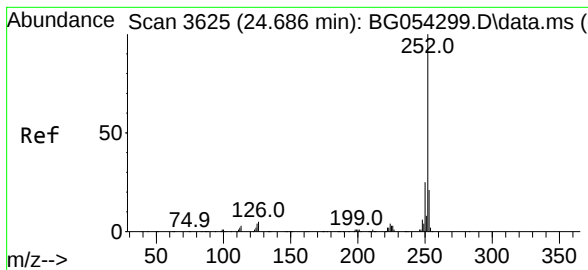
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#89
Benzo(k)fluoranthene
Concen: 3.355 ng m
RT: 23.875 min Scan# 3555
Delta R.T. -0.008 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

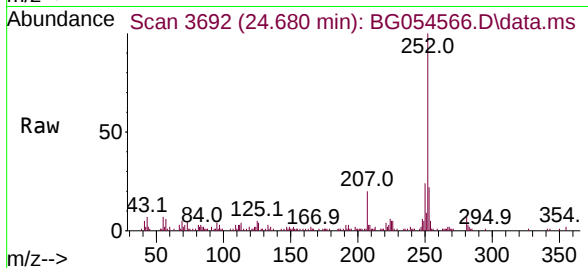
Tgt Ion:252 Resp: 32393
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 6.2 4.8 7.2





#90
Benzo(a)pyrene
Concen: 7.883 ng
RT: 24.680 min Scan# 3625
Delta R.T. -0.008 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12

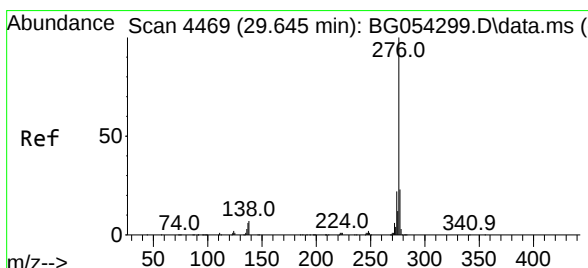
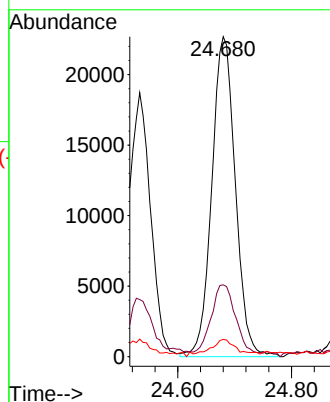
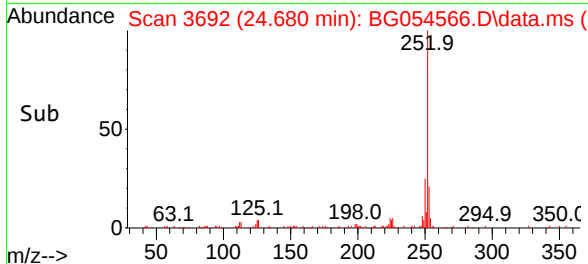
Instrument :
BNA_G
ClientSampleId :
RVE-223



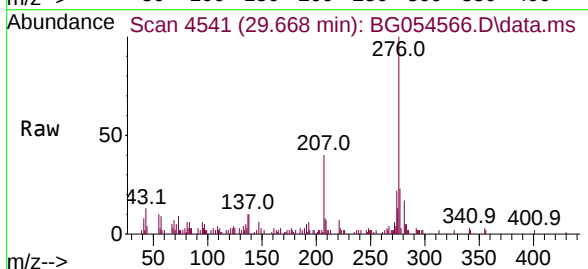
Tgt Ion:252 Resp: 65317
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 5.4 4.3 6.5

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 5.685 ng
RT: 29.668 min Scan# 4541
Delta R.T. -0.008 min
Lab File: BG054566.D
Acq: 9 Aug 2022 12:12



Tgt Ion:276 Resp: 57581
Ion Ratio Lower Upper
276 100
277 23.0 17.3 25.9
138 9.9 9.6 14.4

