

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054435.D
 Acq On : 28 Jul 2022 17:08
 Operator : CG/JU
 Sample : N3893-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/29/2022
 Supervised By : Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 04:09:08 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	7.988	152	18952	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	73155	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	55153	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	130277	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	143937	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	154246	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	79881	88.002	ng	0.00
7) Phenol-d6	7.177	99	110501	88.842	ng	0.00
23) Nitrobenzene-d5	9.151	82	72969	54.319	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	98452	85.018	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	230079	58.849	ng	0.00
79) Terphenyl-d14	19.974	244	457146	63.006	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.686	154	9193	3.236	ng	100
55) Dibenzofuran	15.021	168	16167	3.198	ng	# 94
58) Fluorene	15.667	166	16653	4.006	ng	94
71) Phenanthrene	17.412	178	293785	45.283	ng	96
72) Anthracene	17.500	178	88543	13.908	ng	98
73) Carbazole	17.771	167	17696	3.376	ng	99
75) Fluoranthene	19.427	202	656354	74.216	ng	95
78) Pyrene	19.786	202	586218	70.979	ng	95
81) Benzo(a)anthracene	21.619	228	351720	38.494	ng	98
83) Chrysene	21.684	228	316140m	36.623	ng	
87) Indeno(1,2,3-cd)pyrene	28.517	276	256815	21.886	ng	96
88) Benzo(b)fluoranthene	23.828	252	467252m	51.223	ng	
89) Benzo(k)fluoranthene	23.887	252	160502m	17.680	ng	
90) Benzo(a)pyrene	24.692	252	361369	46.388	ng	98
91) Dibenzo(a,h)anthracene	28.546	278	54819m	5.681	ng	
92) Benzo(g,h,i)perylene	29.663	276	245982	25.830	ng	# 92

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

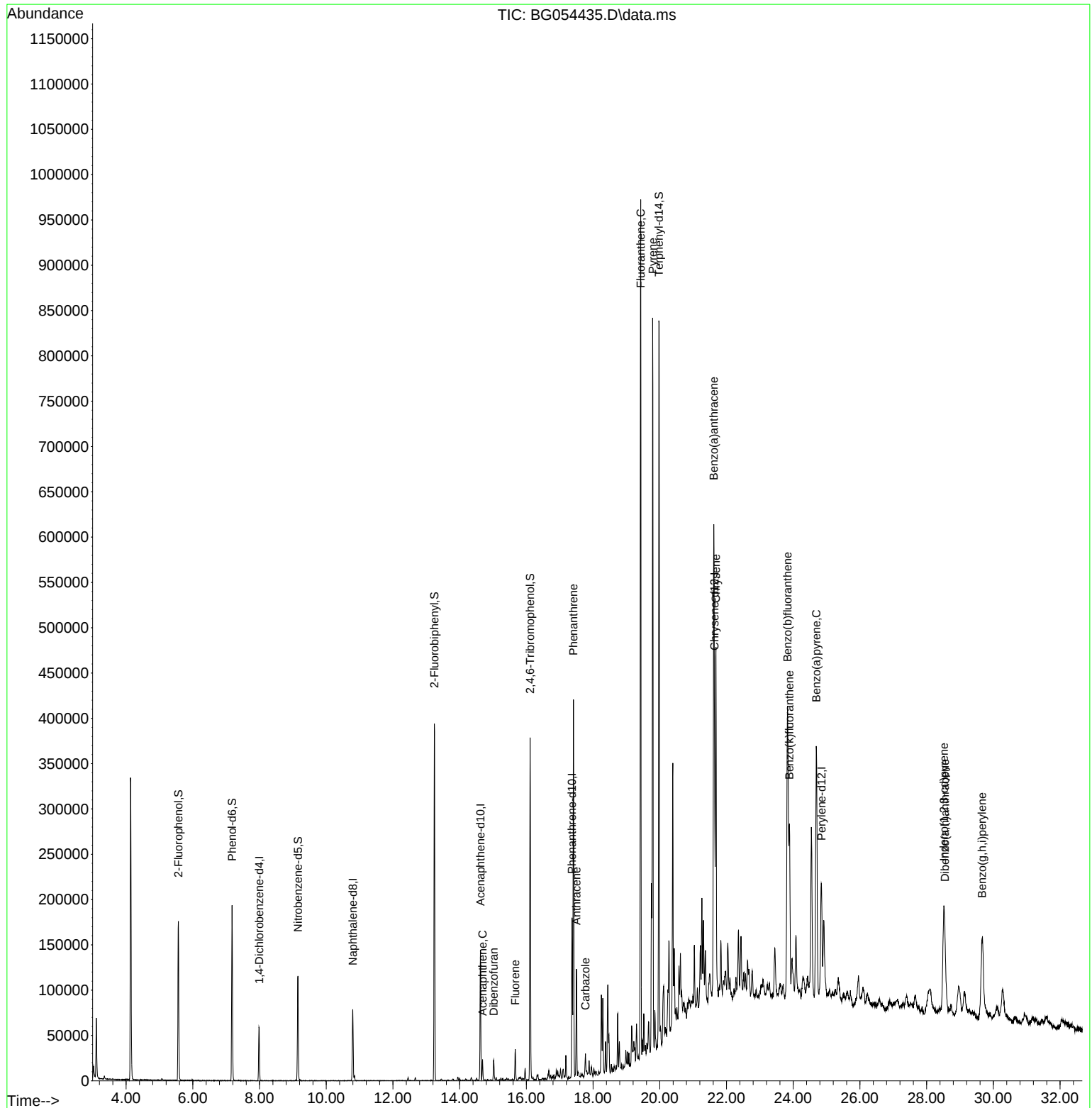
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
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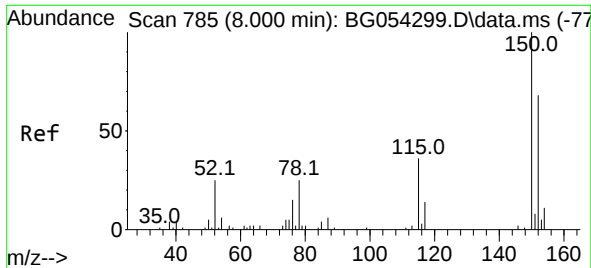
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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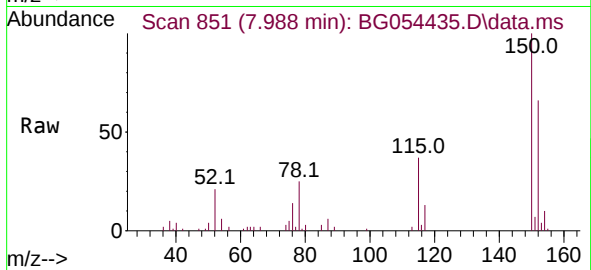
Reviewed By : Christian Giraldo 07/29/2022
Supervised By : Jagrut Upadhyay 07/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

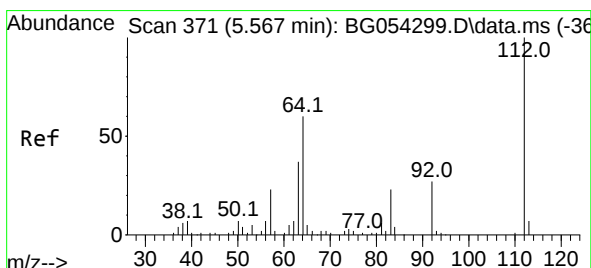
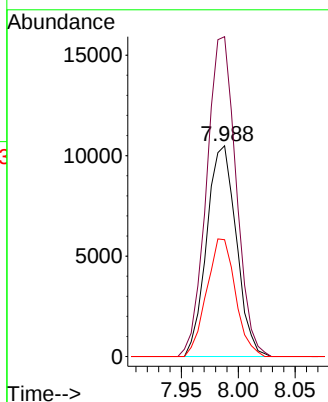
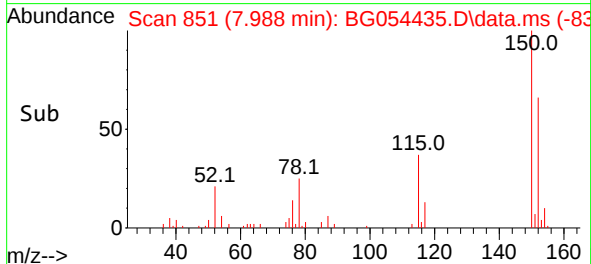
Instrument :
BNA_G
ClientSampleId :
RVE-1



Tgt Ion:152 Resp: 18952
Ion Ratio Lower Upper
152 100
150 151.8 131.6 197.4
115 55.5 50.9 76.3

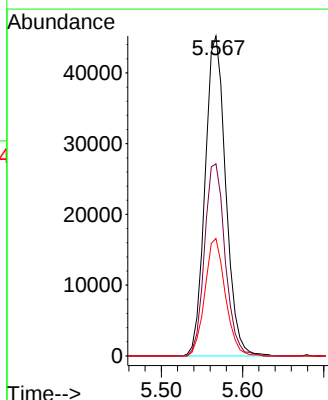
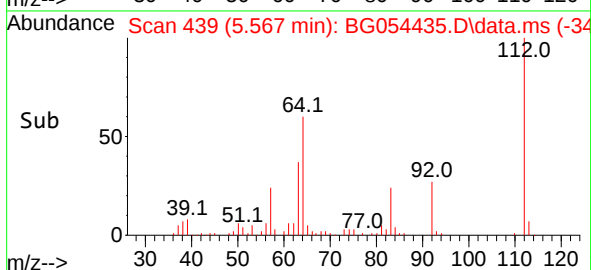
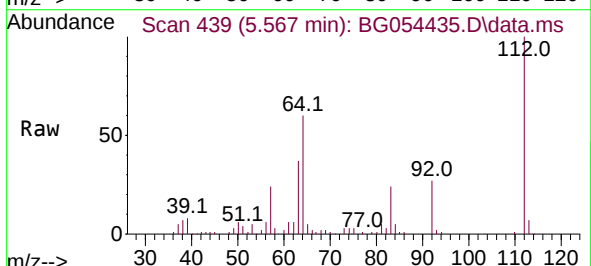
Manual Integrations
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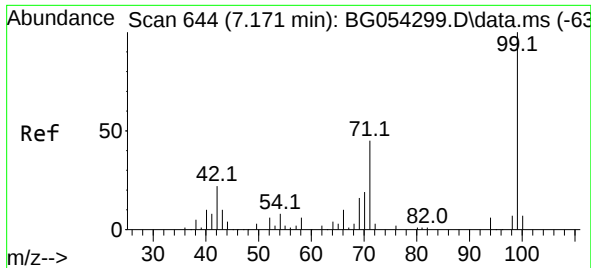
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#5
2-Fluorophenol
Concen: 88.002 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

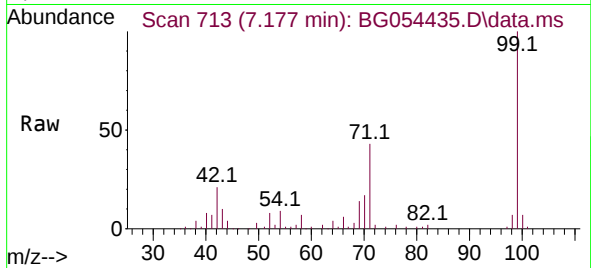
Tgt Ion:112 Resp: 79881
Ion Ratio Lower Upper
112 100
64 60.0 55.1 82.7
63 36.7 30.4 45.6





#7
Phenol-d6
Concen: 88.842 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

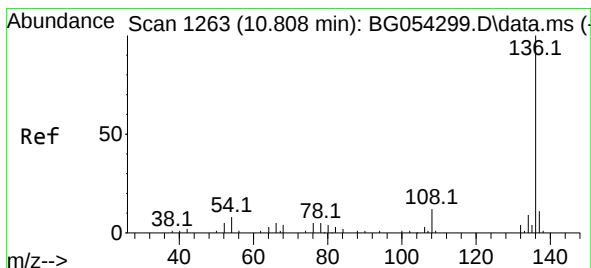
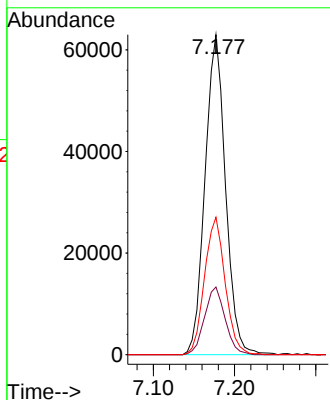
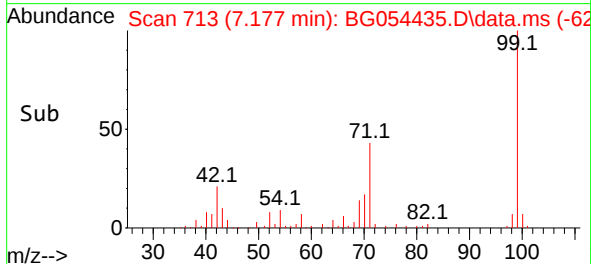
Instrument :
BNA_G
ClientSampleId :
RVE-1



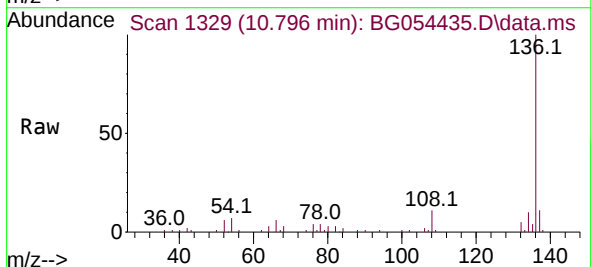
Tgt Ion: 99 Resp: 110501
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 42.9 33.8 50.8

Manual Integrations
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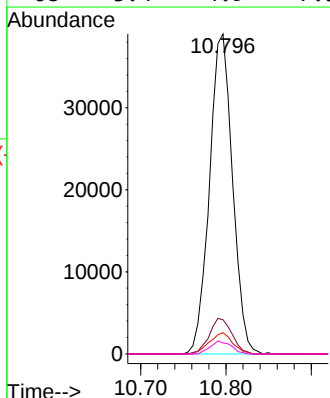
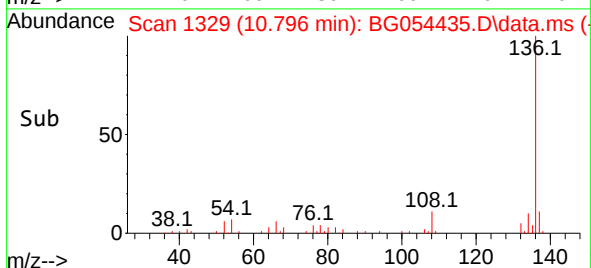
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

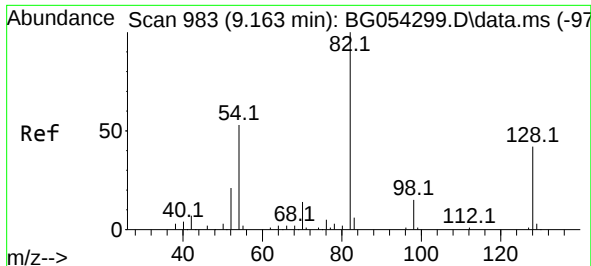


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08



Tgt Ion:136 Resp: 73155
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 6.6 7.4 11.2#
68 3.4 4.9 7.3#





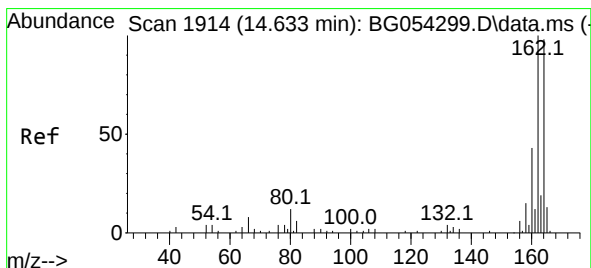
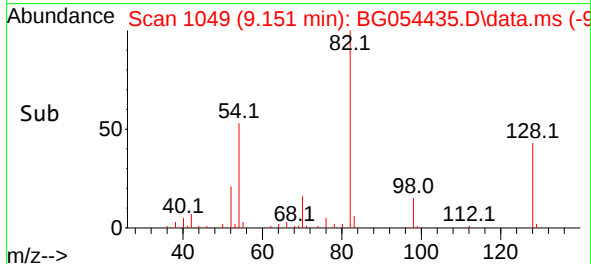
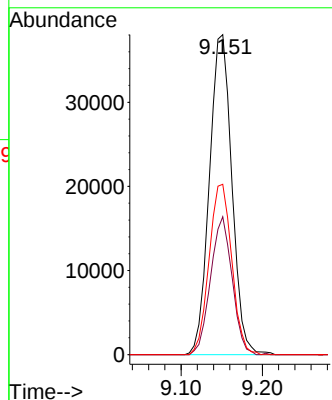
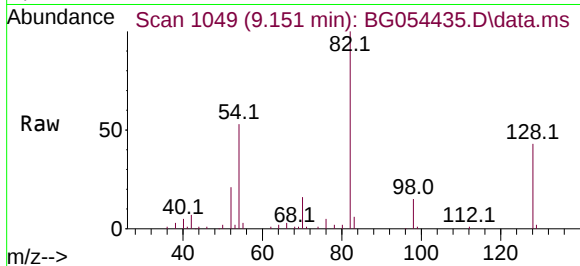
#23
Nitrobenzene-d5
Concen: 54.319 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Instrument :
BNA_G
ClientSampleId :
RVE-1

Tgt Ion: 82 Resp: 72969
Ion Ratio Lower Upper
82 100
128 43.1 27.9 41.9
54 53.2 41.2 61.8

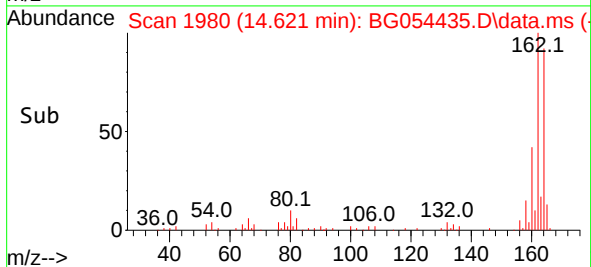
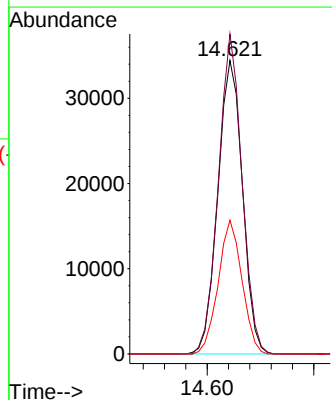
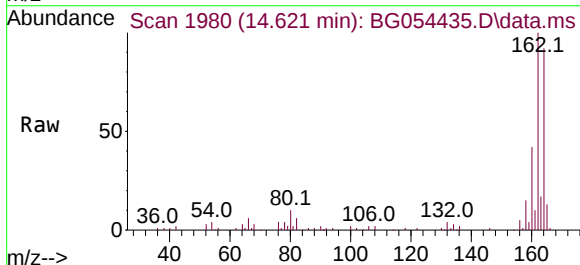
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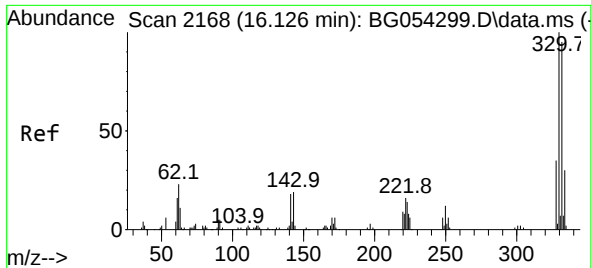
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Tgt Ion:164 Resp: 55153
Ion Ratio Lower Upper
164 100
162 109.1 82.3 123.5
160 45.6 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 85.018 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Instrument :

BNA_G

ClientSampleId :

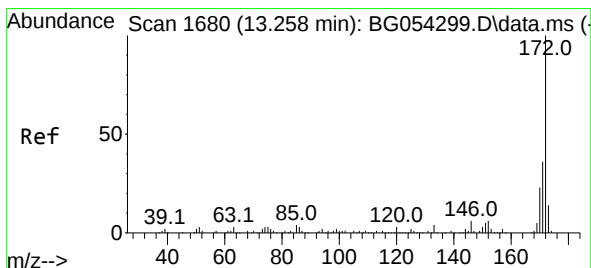
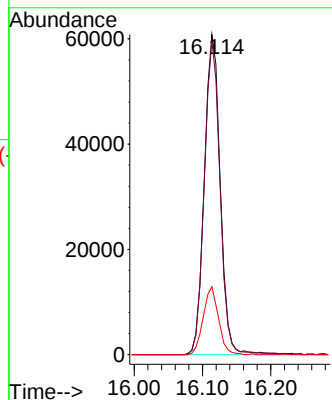
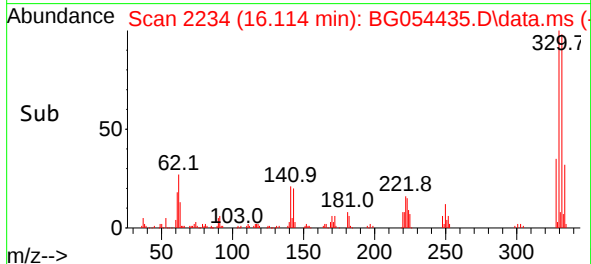
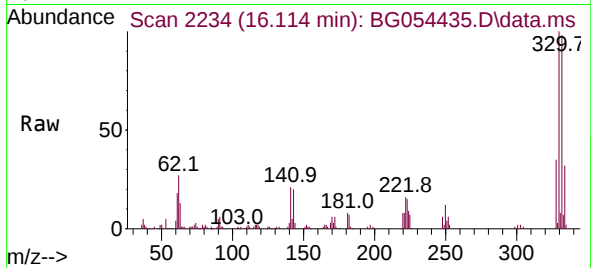
RVE-1

Tgt Ion:330 Resp: 98452
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 20.3 27.1 40.7

Manual Integrations

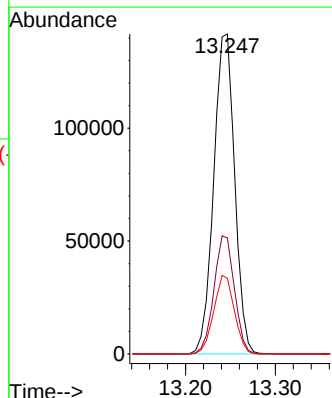
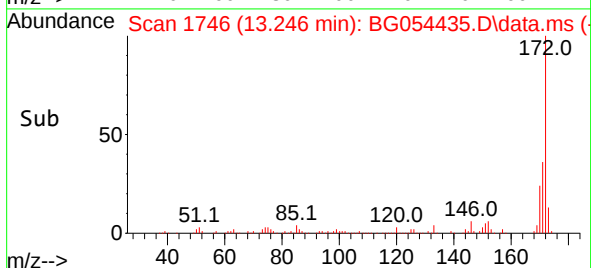
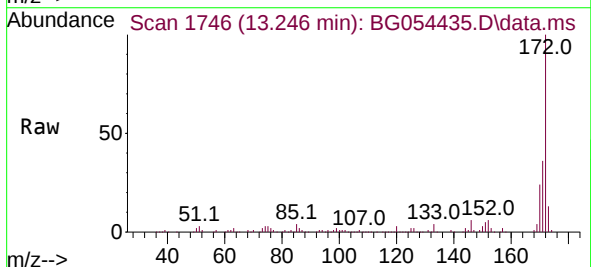
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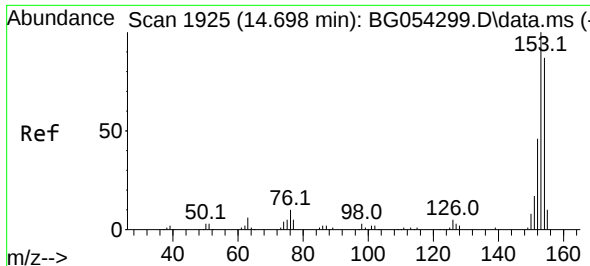
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#45
2-Fluorobiphenyl
Concen: 58.849 ng
RT: 13.246 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

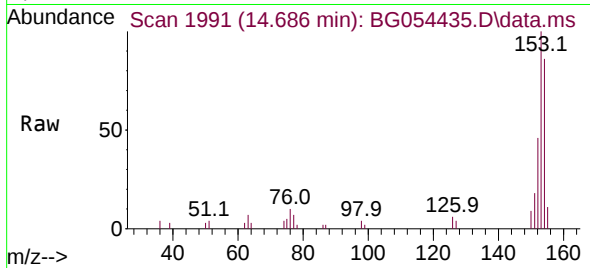
Tgt Ion:172 Resp: 230079
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 23.6 18.9 28.3





#52
Acenaphthene
Concen: 3.236 ng
RT: 14.686 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

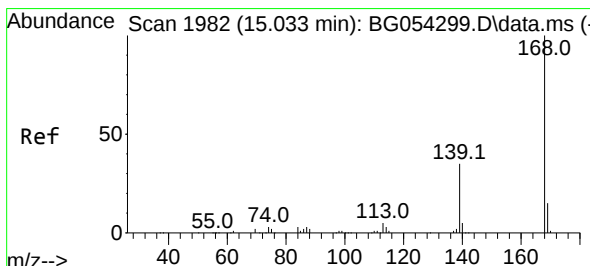
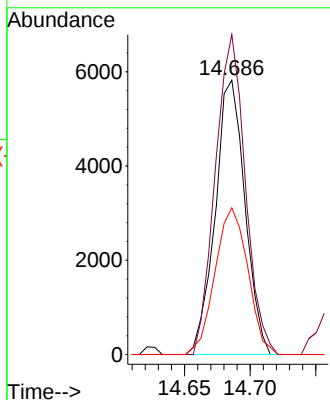
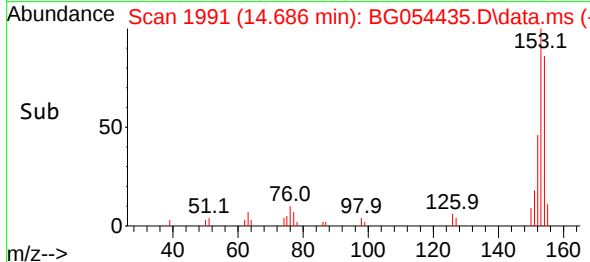
Instrument :
BNA_G
ClientSampleId :
RVE-1



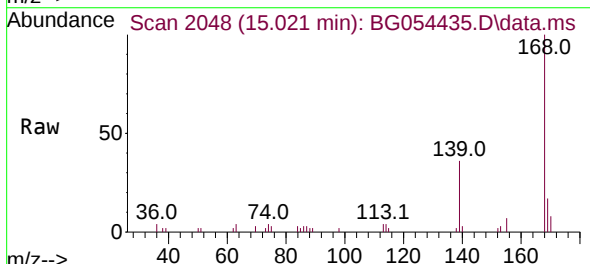
Tgt Ion:154 Resp: 9193
Ion Ratio Lower Upper
154 100
153 116.6 92.7 139.1
152 53.5 42.6 64.0

Manual Integrations
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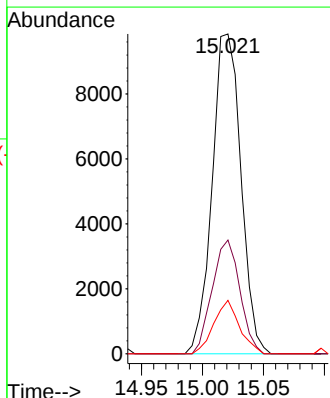
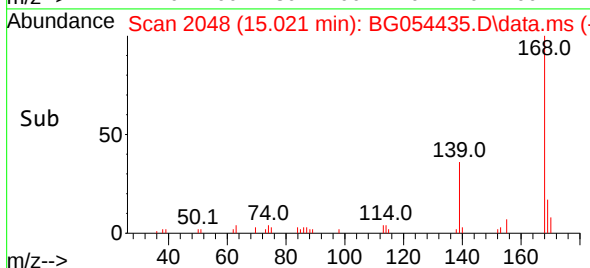
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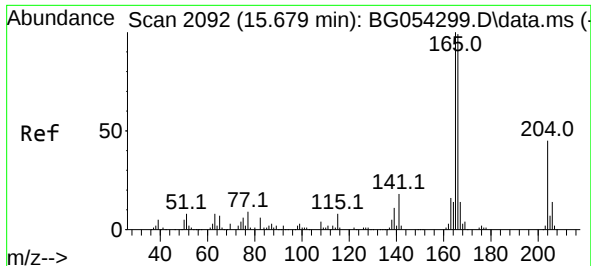


#55
Dibenzofuran
Concen: 3.198 ng
RT: 15.021 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08



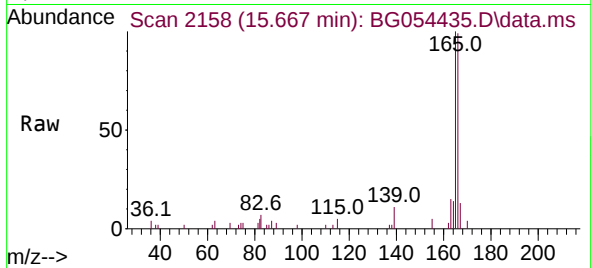
Tgt Ion:168 Resp: 16167
Ion Ratio Lower Upper
168 100
139 35.6 30.5 45.7
169 16.7 10.3 15.5#





#58
Fluorene
Concen: 4.006 ng
RT: 15.667 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

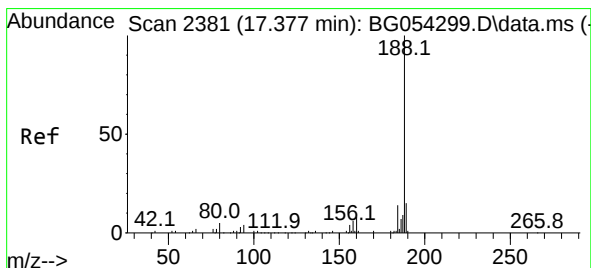
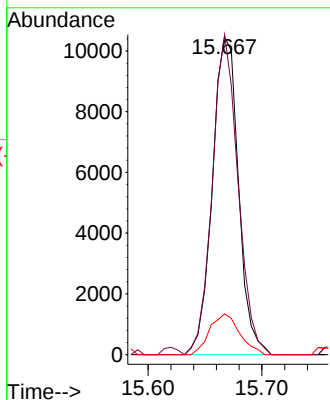
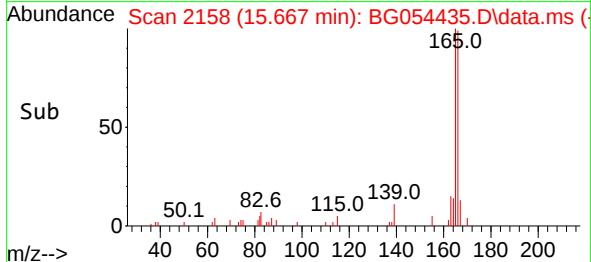
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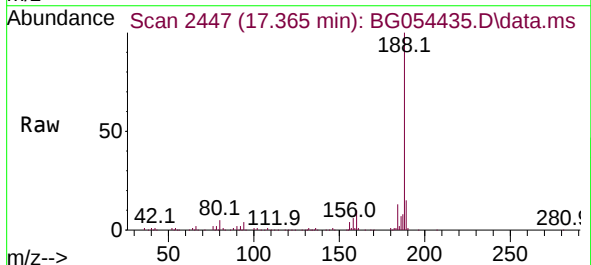
Tgt Ion:166 Resp: 16653
Ion Ratio Lower Upper
166 100
165 100.7 75.0 112.6
167 12.8 10.8 16.2

Manual Integrations
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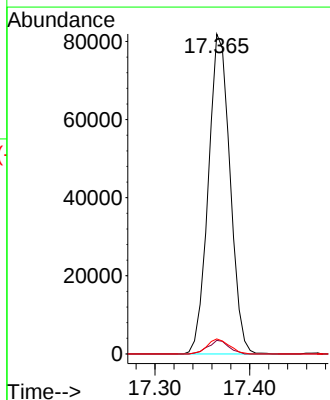
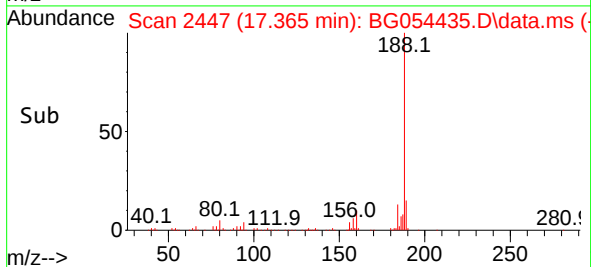
Reviewed By :Christian Giraldo 07/29/2022
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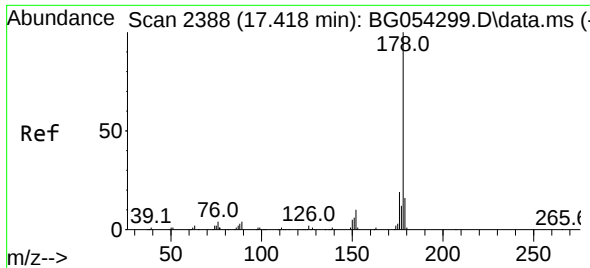


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08



Tgt Ion:188 Resp: 130277
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.7 6.8 10.2#





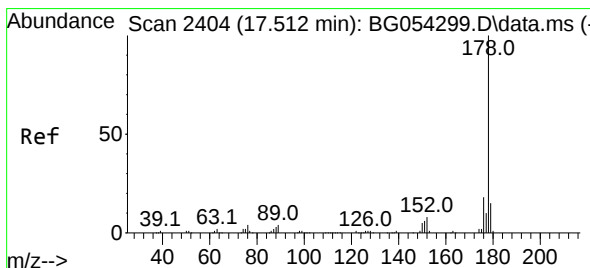
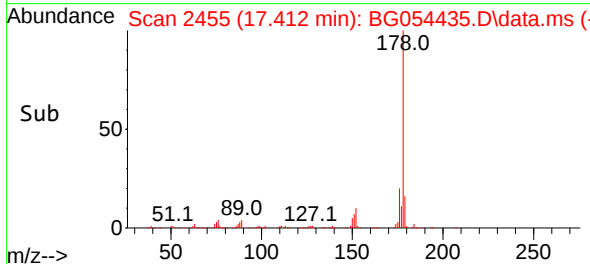
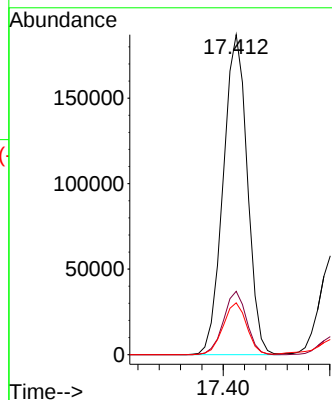
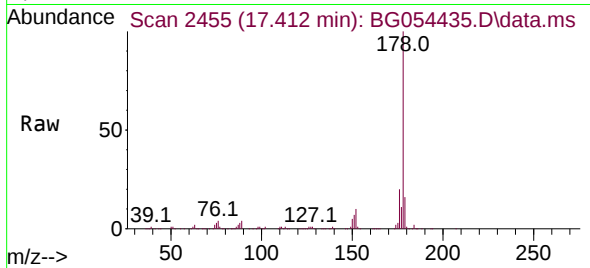
#71
Phenanthrene
Concen: 45.283 ng
RT: 17.412 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

Instrument :
BNA_G
ClientSampleId :
RVE-1

Tgt Ion:178 Resp: 293785
Ion Ratio Lower Upper
178 100
176 19.8 14.1 21.1
179 16.2 12.1 18.1

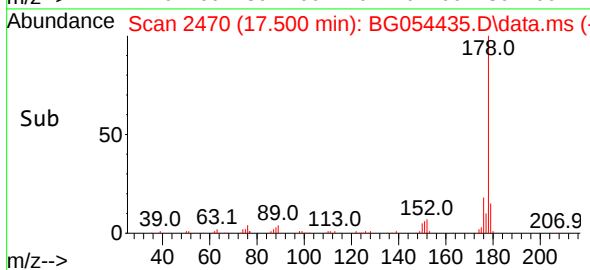
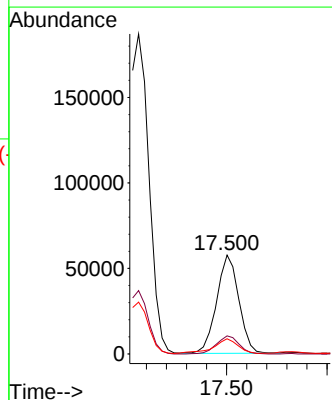
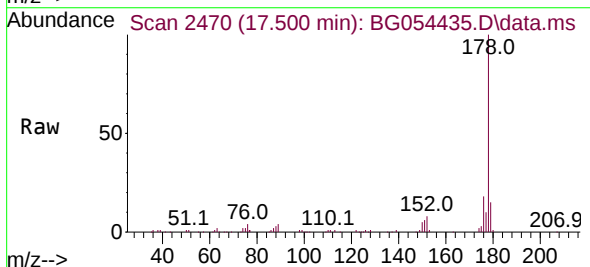
Manual Integrations
APPROVED

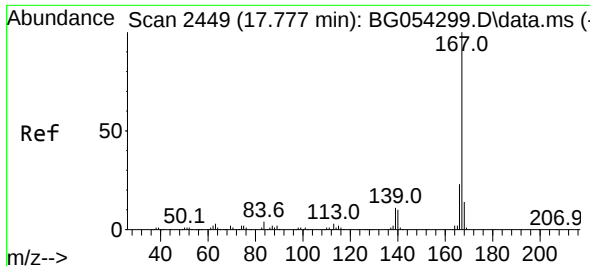
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#72
Anthracene
Concen: 13.908 ng
RT: 17.500 min Scan# 2470
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

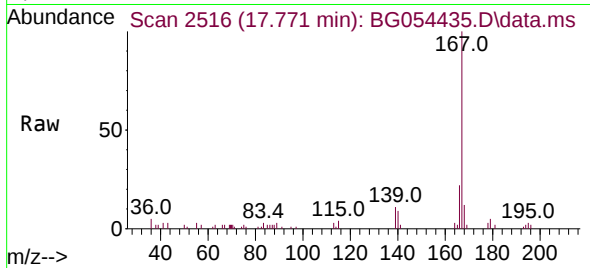
Tgt Ion:178 Resp: 88543
Ion Ratio Lower Upper
178 100
176 18.2 15.2 22.8
179 15.3 13.0 19.4





#73
 Carbazole
 Concen: 3.376 ng
 RT: 17.771 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08

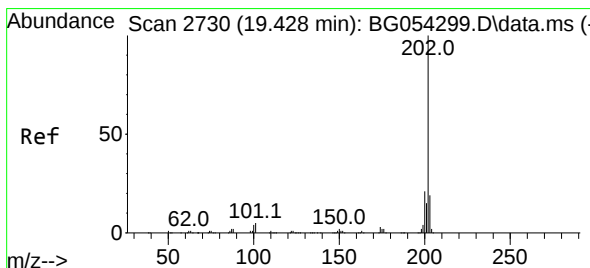
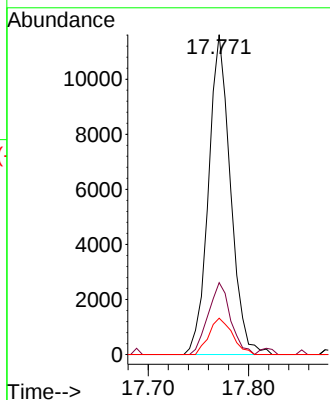
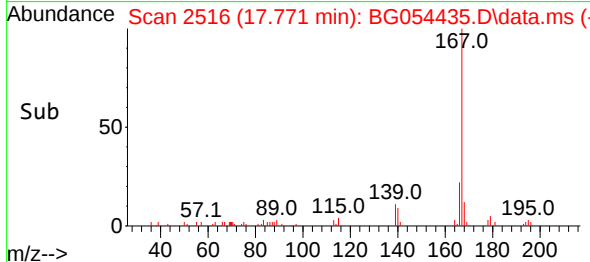
Instrument :
 BNA_G
 ClientSampleId :
 RVE-1



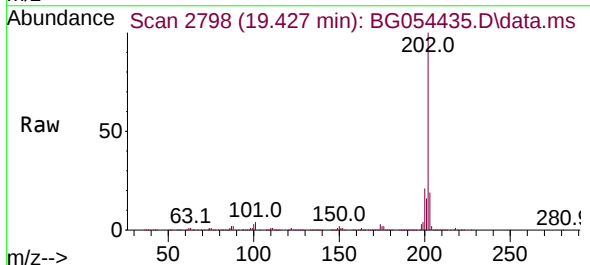
Tgt Ion:167 Resp: 17696
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.2 27.2
 139 11.4 10.1 15.1

Manual Integrations
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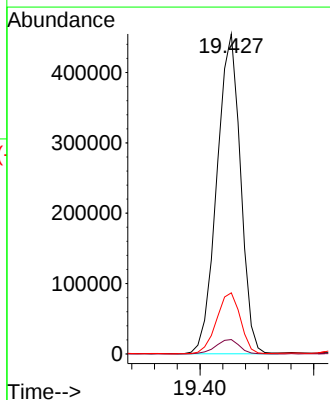
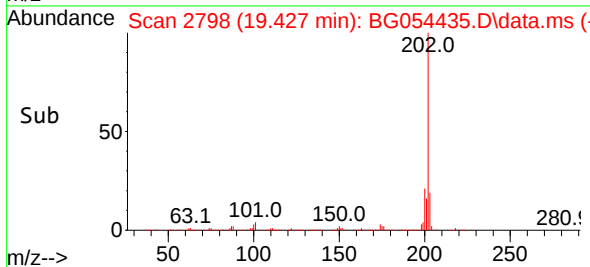
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022

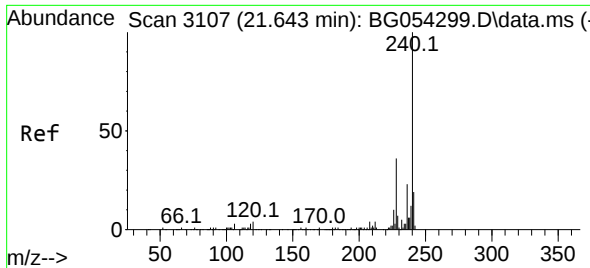


#75
 Fluoranthene
 Concen: 74.216 ng
 RT: 19.427 min Scan# 2798
 Delta R.T. 0.005 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08



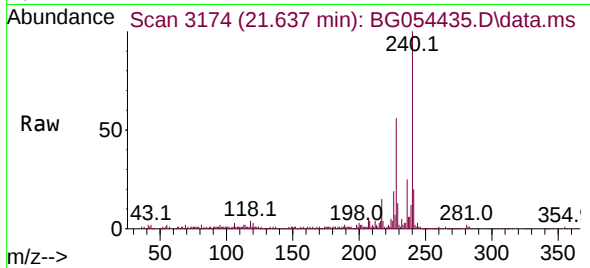
Tgt Ion:202 Resp: 656354
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 26.9
 203 19.1 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3107
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

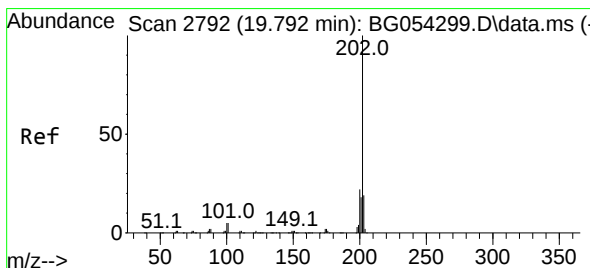
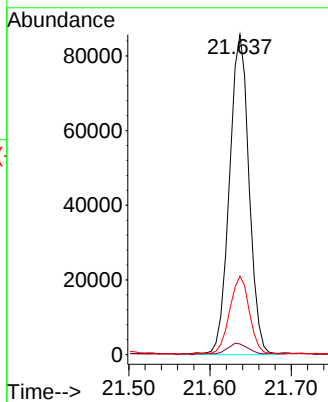
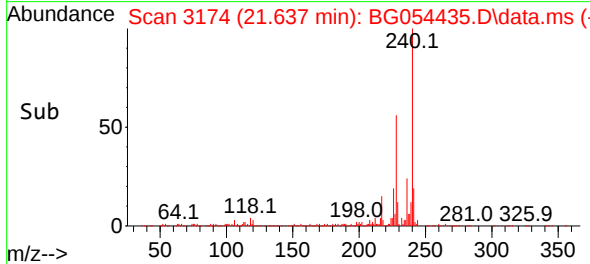
Instrument :
BNA_G
ClientSampleId :
RVE-1



Tgt Ion:240 Resp: 143937
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0
236 24.5 20.2 30.4

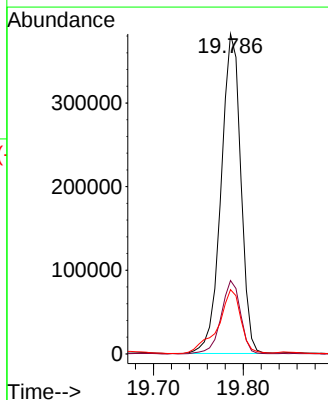
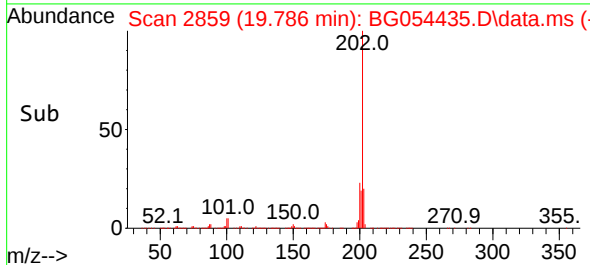
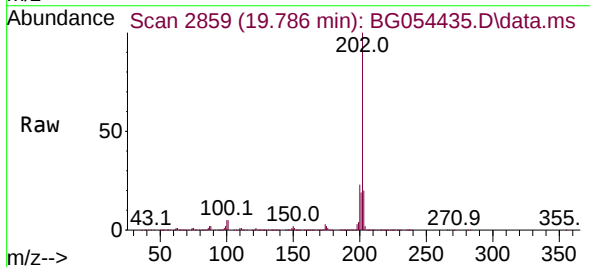
Manual Integrations
APPROVED

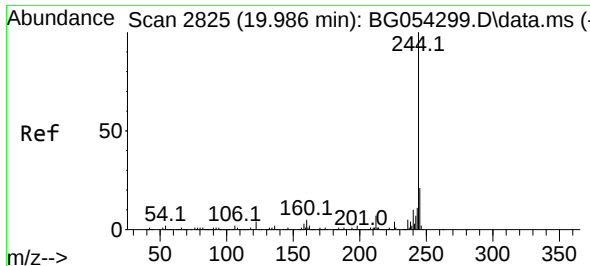
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#78
Pyrene
Concen: 70.979 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

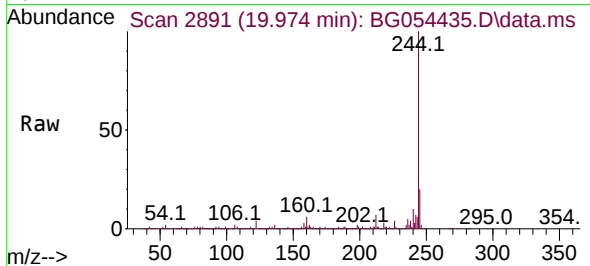
Tgt Ion:202 Resp: 586218
Ion Ratio Lower Upper
202 100
200 22.9 16.6 24.8
203 20.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 63.006 ng
 RT: 19.974 min Scan# 2825
 Delta R.T. -0.006 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08

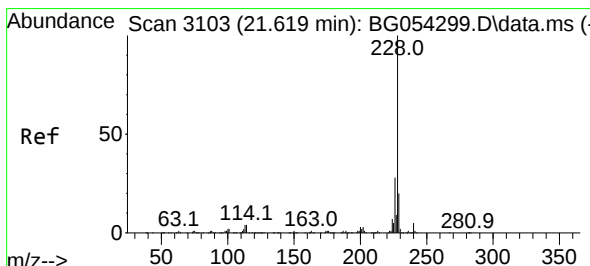
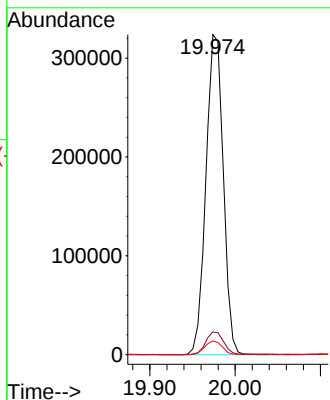
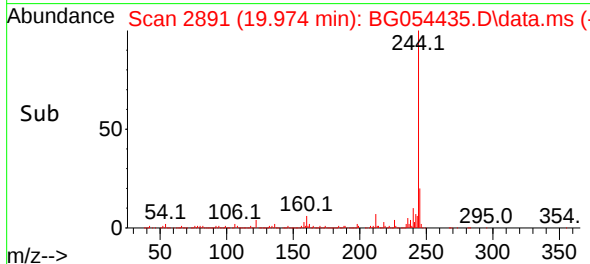
Instrument :
 BNA_G
 ClientSampleId :
 RVE-1



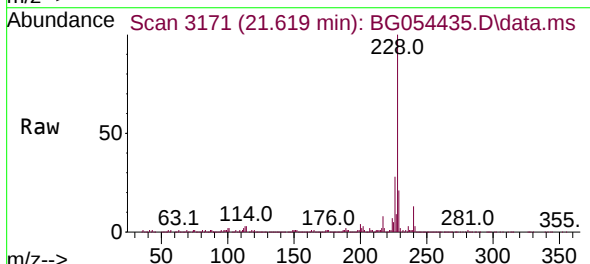
Tgt Ion:244 Resp: 457146
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.3 5.0 7.4

Manual Integrations
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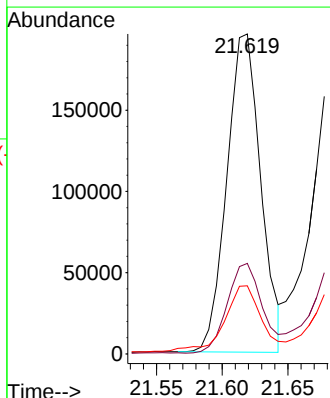
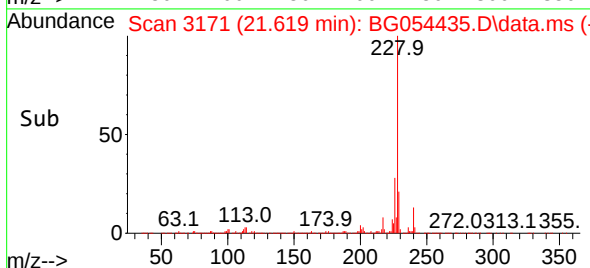
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022

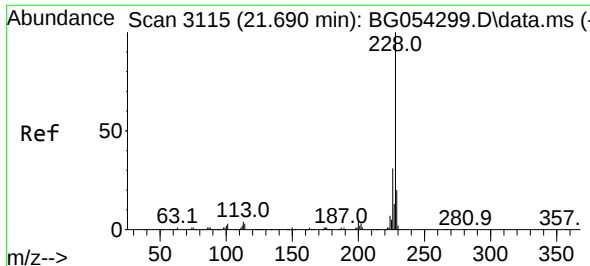


#81
 Benzo(a)anthracene
 Concen: 38.494 ng
 RT: 21.619 min Scan# 3171
 Delta R.T. 0.005 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08



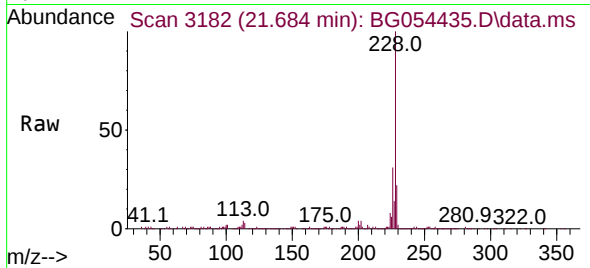
Tgt Ion:228 Resp: 351720
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.6 32.4
 229 21.3 16.2 24.2





#83
Chrysene
Concen: 36.623 ng m
RT: 21.684 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

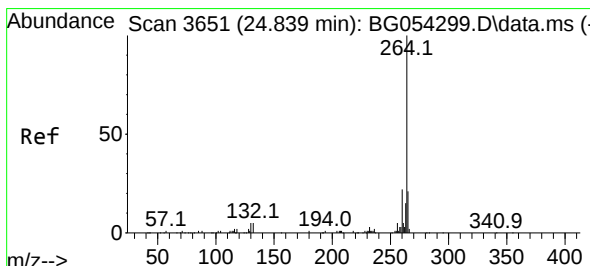
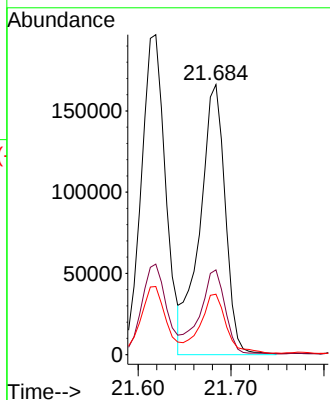
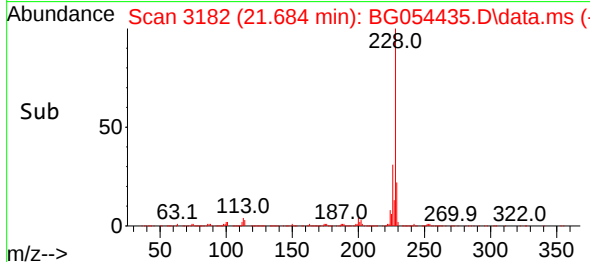
Instrument :
BNA_G
ClientSampleId :
RVE-1



Tgt Ion:228 Resp: 316140
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.2
229 22.4 15.5 23.3

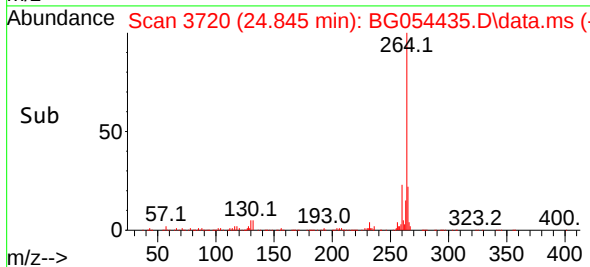
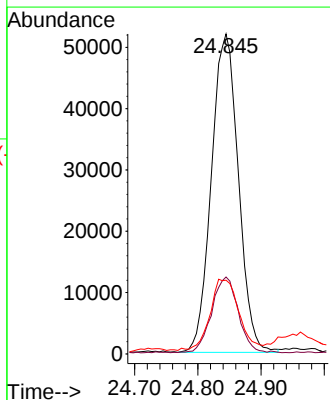
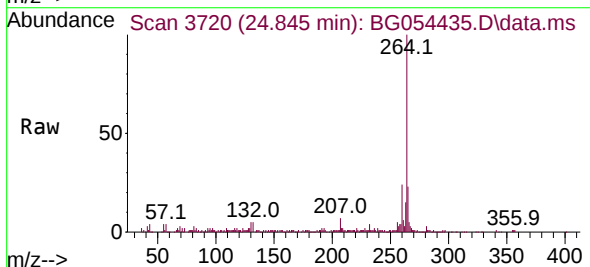
Manual Integrations
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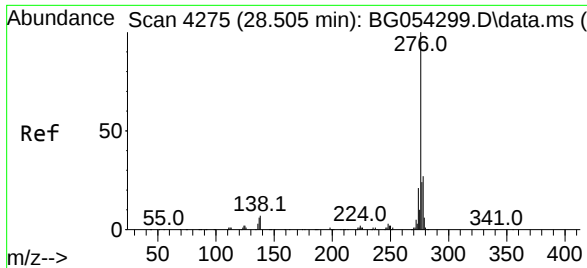
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.845 min Scan# 3720
Delta R.T. 0.011 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

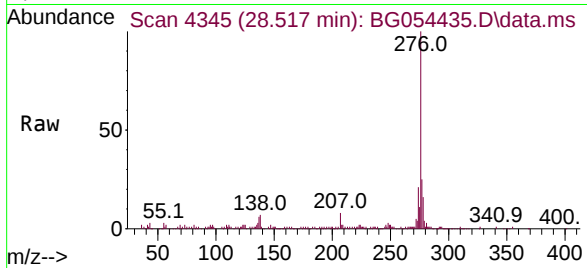
Tgt Ion:264 Resp: 154246
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 23.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 21.886 ng
RT: 28.517 min Scan# 4345
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

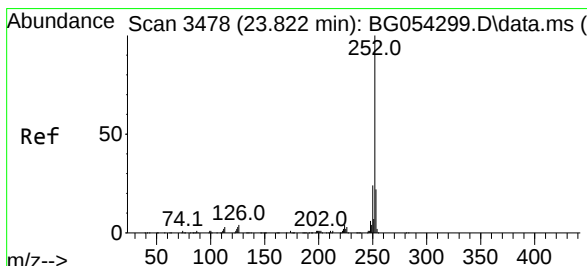
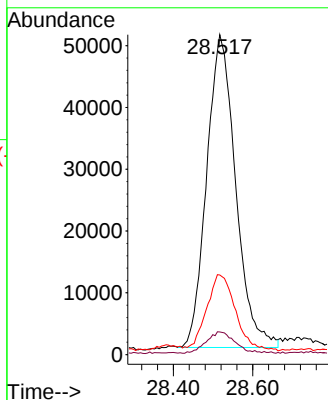
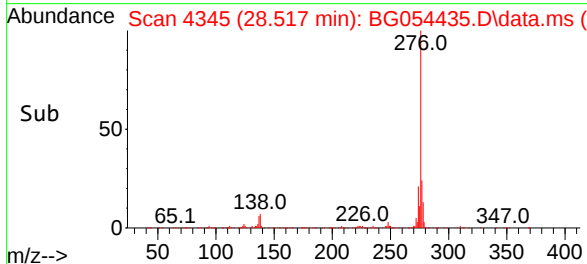
Instrument :
BNA_G
ClientSampleId :
RVE-1



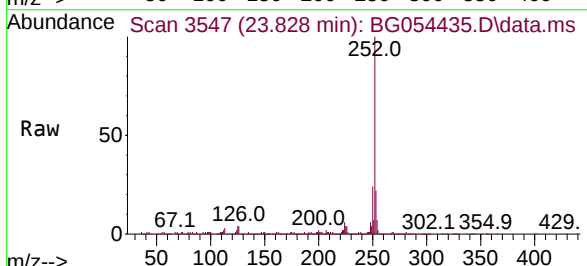
Tgt Ion:276 Resp: 256815
Ion Ratio Lower Upper
276 100
138 6.7 5.0 7.4
277 23.1 20.3 30.5

Manual Integrations
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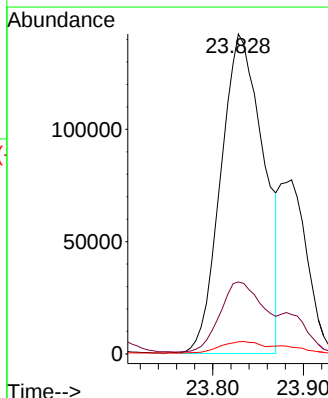
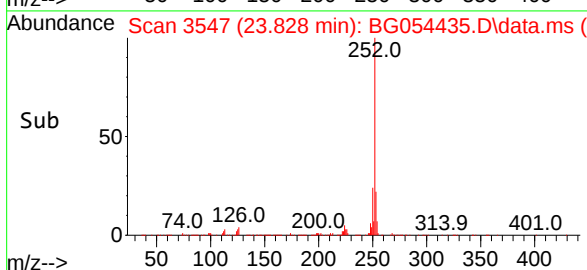
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

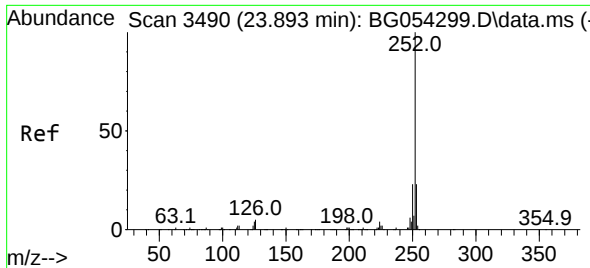


#88
Benzo(b)fluoranthene
Concen: 51.223 ng m
RT: 23.828 min Scan# 3547
Delta R.T. 0.005 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08



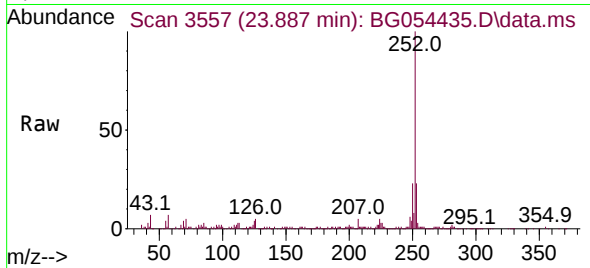
Tgt Ion:252 Resp: 467252
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 3.8 4.6 6.8#





#89
Benzo(k)fluoranthene
Concen: 17.680 ng m
RT: 23.887 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

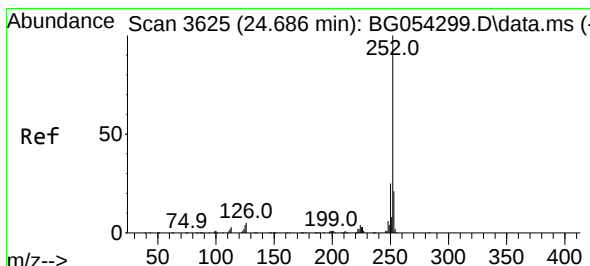
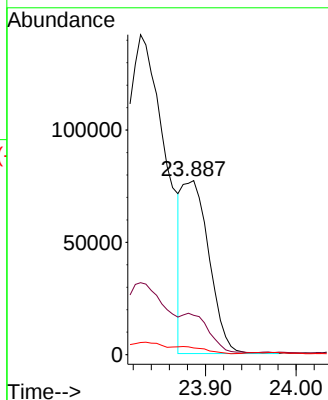
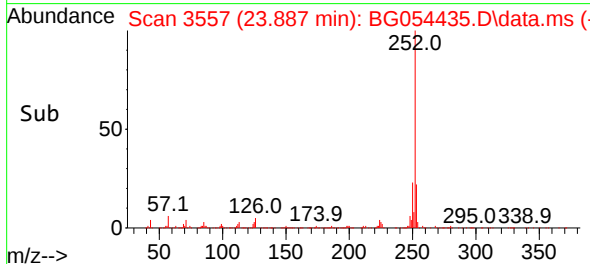
Instrument :
BNA_G
ClientSampleId :
RVE-1



Tgt Ion:252 Resp: 160502
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 3.8 4.8 7.2

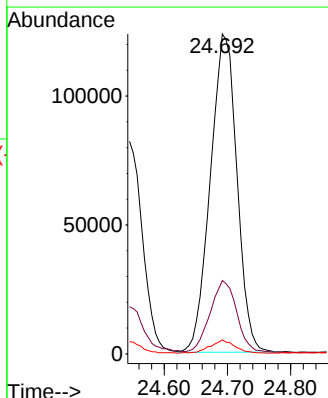
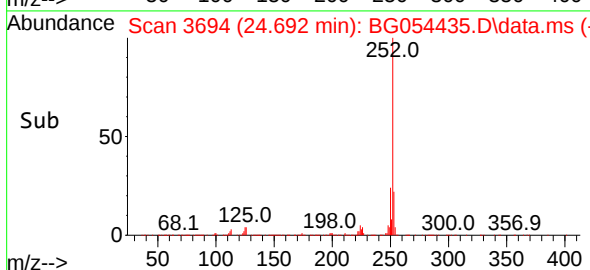
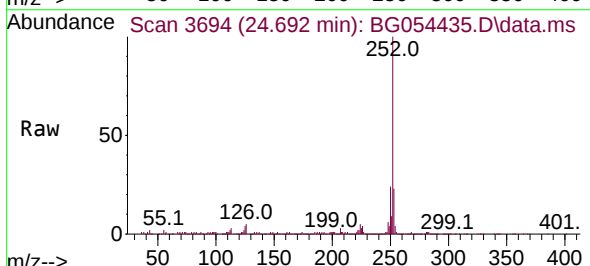
Manual Integrations
APPROVED

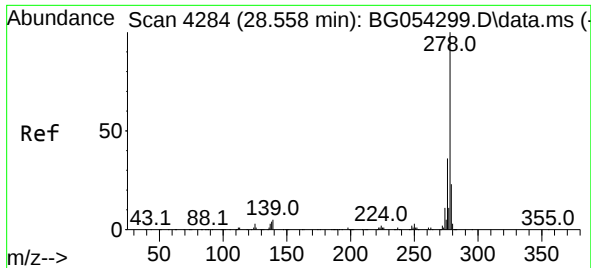
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#90
Benzo(a)pyrene
Concen: 46.388 ng
RT: 24.692 min Scan# 3694
Delta R.T. 0.005 min
Lab File: BG054435.D
Acq: 28 Jul 2022 17:08

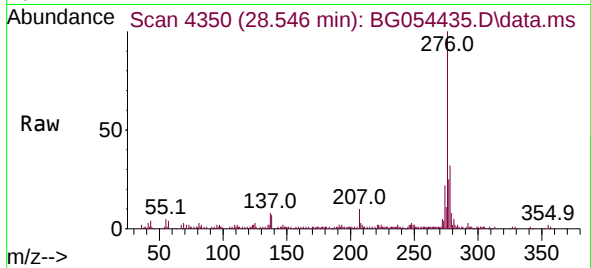
Tgt Ion:252 Resp: 361369
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 4.4 4.3 6.5





#91
 Dibenzo(a,h)anthracene
 Concen: 5.681 ng m
 RT: 28.546 min Scan# 431
 Delta R.T. -0.018 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08

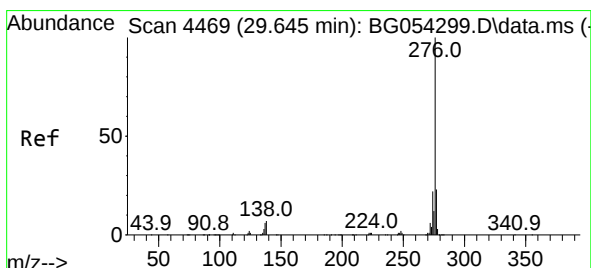
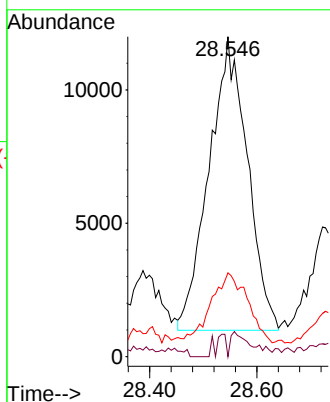
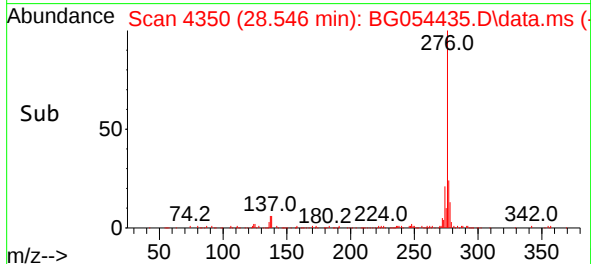
Instrument :
 BNA_G
 ClientSampleId :
 RVE-1



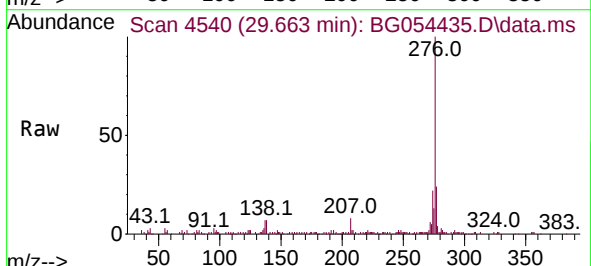
Tgt Ion:278 Resp: 54819
 Ion Ratio Lower Upper
 278 100
 139 0.0 7.2 10.8
 279 26.2 18.6 27.8

Manual Integrations
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Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022



#92
 Benzo(g,h,i)perylene
 Concen: 25.830 ng
 RT: 29.663 min Scan# 4540
 Delta R.T. -0.000 min
 Lab File: BG054435.D
 Acq: 28 Jul 2022 17:08



Tgt Ion:276 Resp: 245982
 Ion Ratio Lower Upper
 276 100
 277 23.7 17.3 25.9
 138 6.7 9.6 14.4

