

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054571.D
 Acq On : 9 Aug 2022 15:44
 Operator : CG/JU
 Sample : N4063-01DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5ADL

Quant Time: Aug 09 17:03:52 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	25116	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	94703	20.000	ng	# 0.00
39) Acenaphthene-d10	14.618	164	68703	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	161074	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	180033	20.000	ng	# 0.00
86) Perylene-d12	24.847	264	189900	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	23524	19.555	ng	0.00
7) Phenol-d6	7.179	99	29801	18.080	ng	0.00
23) Nitrobenzene-d5	9.142	82	20295	11.670	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	23251	16.118	ng	0.00
45) 2-Fluorobiphenyl	13.231	172	61530	12.634	ng	0.00
79) Terphenyl-d14	19.970	244	116835	12.874	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.342	152	74138	12.684	ng	99
72) Anthracene	17.503	178	20731	2.634	ng	98
78) Pyrene	19.782	202	263543	25.512	ng	98
81) Benzo(a)anthracene	21.609	228	62446	5.464	ng	# 82
83) Chrysene	21.651	228	120609	11.170	ng	# 67
87) Indeno(1,2,3-cd)pyrene	28.531	276	173916	12.039	ng	# 99
88) Benzo(b)fluoranthene	23.825	252	291281m	25.937	ng	
89) Benzo(k)fluoranthene	23.877	252	84387m	7.550	ng	
90) Benzo(a)pyrene	24.700	252	332538m	34.672	ng	
91) Dibenzo(a,h)anthracene	28.560	278	47577m	4.005	ng	
92) Benzo(g,h,i)perylene	29.682	276	187091	15.957	ng	# 93

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

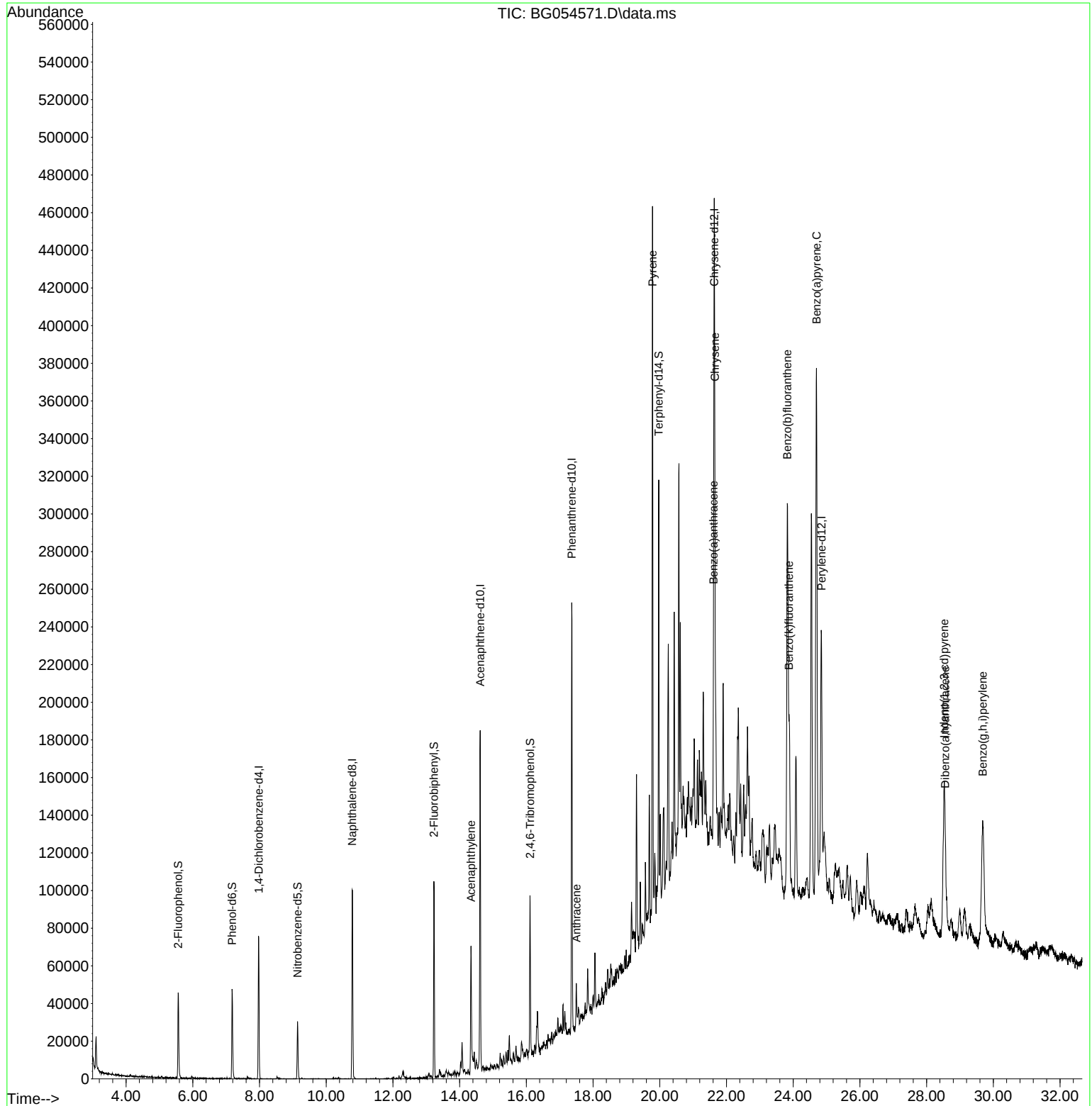
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
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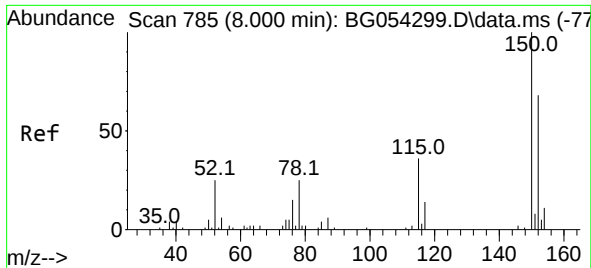
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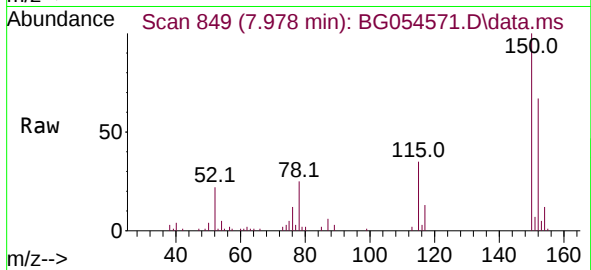
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Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.978 min Scan# 84
Delta R.T. 0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

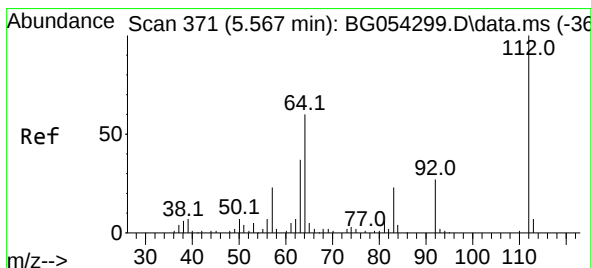
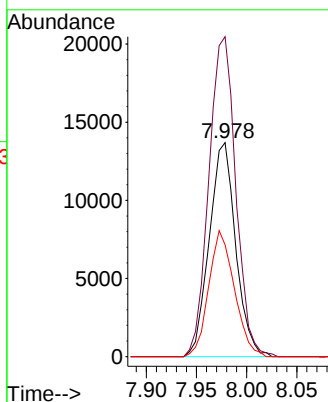
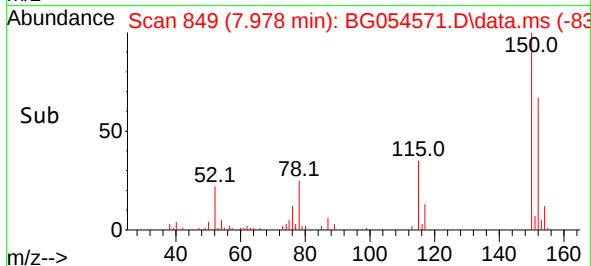
Instrument :
BNA_G
ClientSampleId :
P-5ADL



Tgt Ion:152 Resp: 25116
Ion Ratio Lower Upper
152 100
150 149.5 131.6 197.4
115 52.2 50.9 76.3

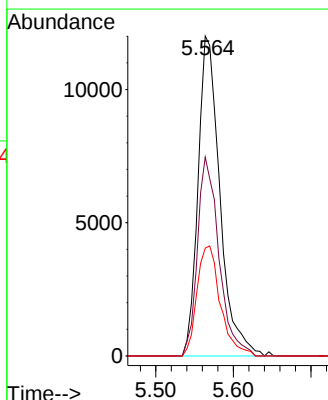
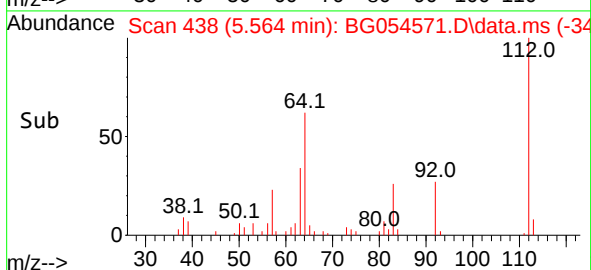
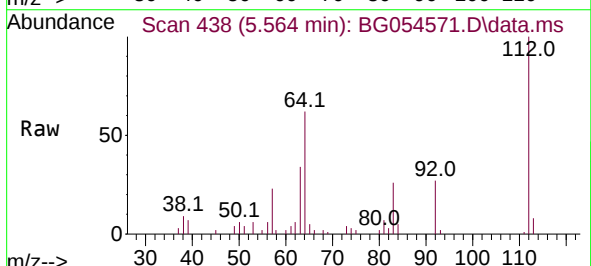
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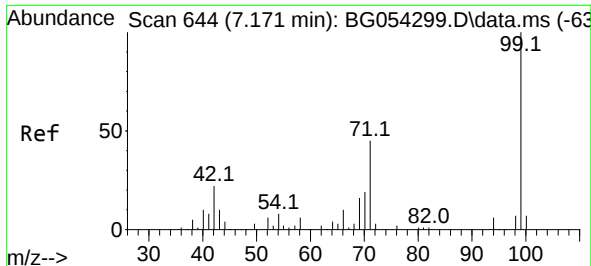
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#5
2-Fluorophenol
Concen: 19.555 ng
RT: 5.564 min Scan# 438
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

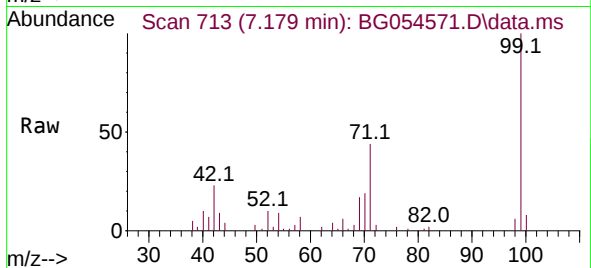
Tgt Ion:112 Resp: 23524
Ion Ratio Lower Upper
112 100
64 62.1 55.1 82.7
63 33.7 30.4 45.6





#7
Phenol-d6
Concen: 18.080 ng
RT: 7.179 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

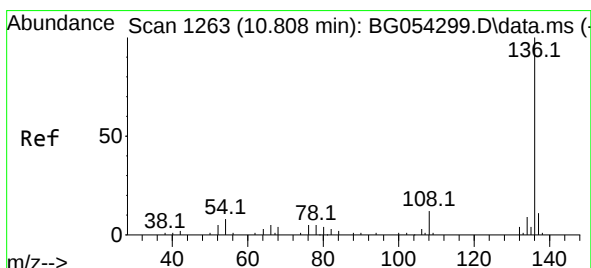
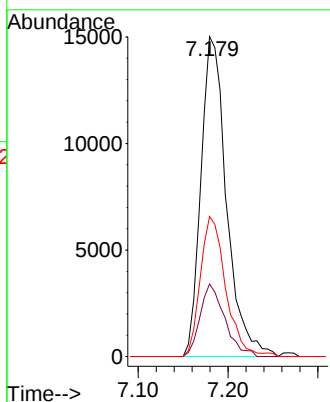
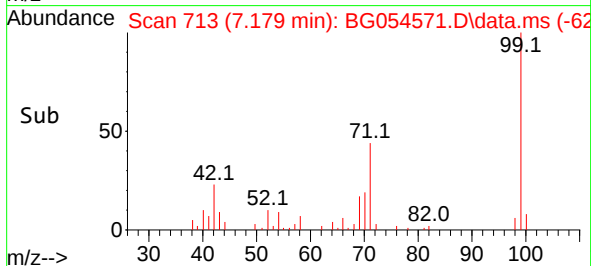
Instrument :
BNA_G
ClientSampleId :
P-5ADL



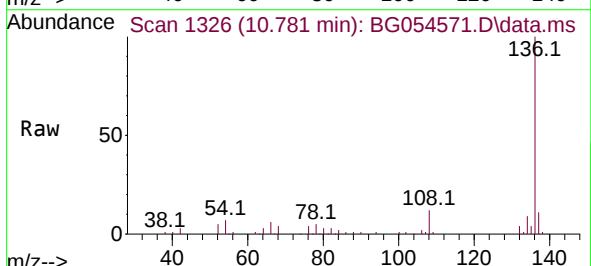
Tgt Ion: 99 Resp: 2980
Ion Ratio Lower Upper
99 100
42 22.7 17.0 25.6
71 43.8 33.8 50.8

Manual Integrations
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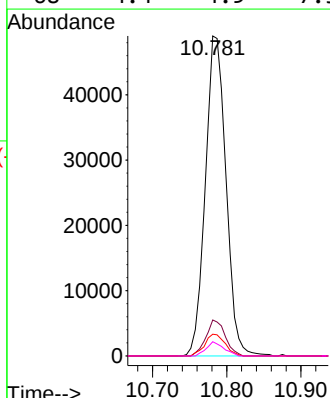
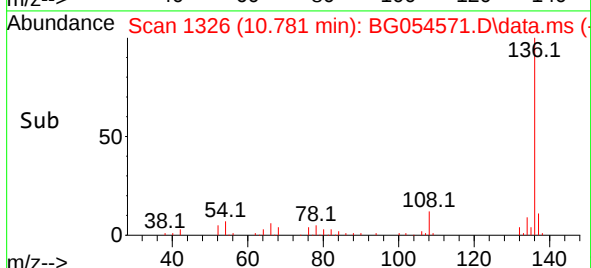
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Supervised By :Jagrut Upadhyay 08/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44



Tgt Ion:136 Resp: 94703
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 6.8 7.4 11.2#
68 4.4 4.9 7.3#





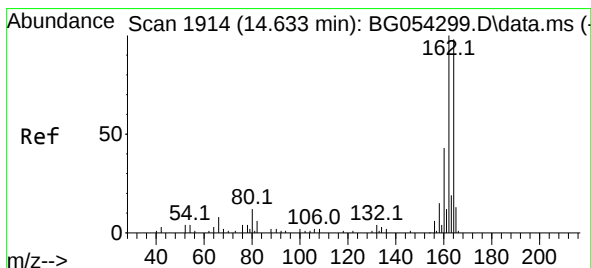
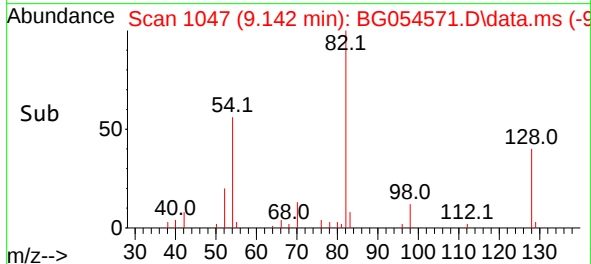
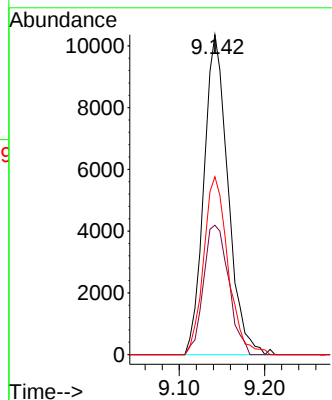
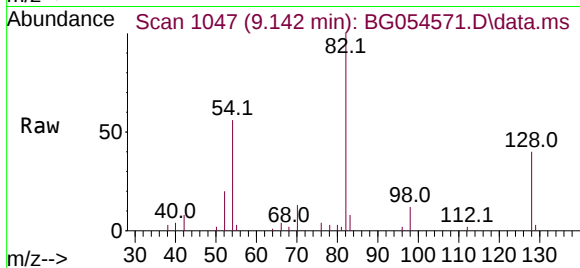
#23
Nitrobenzene-d5
Concen: 11.670 ng
RT: 9.142 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Instrument :
BNA_G
ClientSampleId :
P-5ADL

Tgt Ion: 82 Resp: 20295
Ion Ratio Lower Upper
82 100
128 40.4 27.9 41.9
54 55.6 41.2 61.8

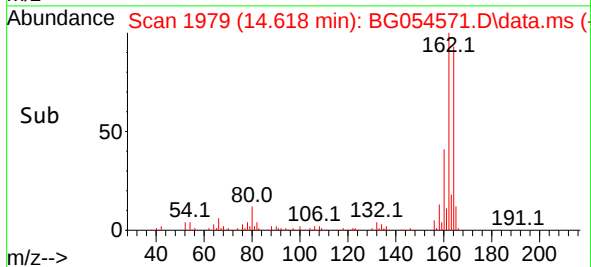
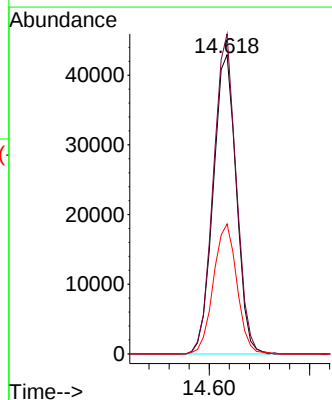
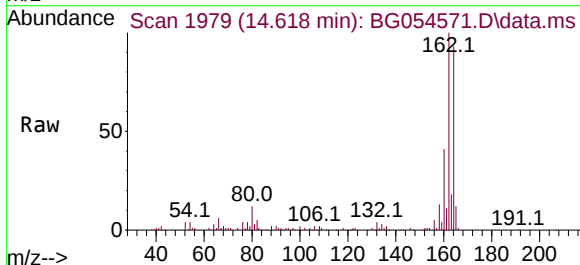
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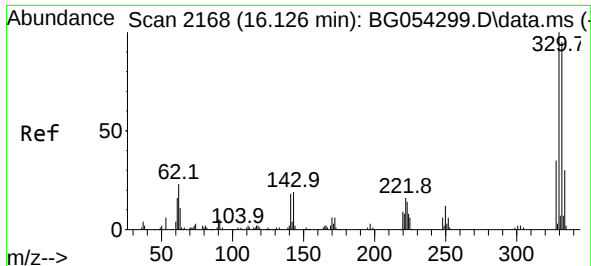
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.618 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Tgt Ion:164 Resp: 68703
Ion Ratio Lower Upper
164 100
162 107.0 82.3 123.5
160 43.5 34.2 51.2





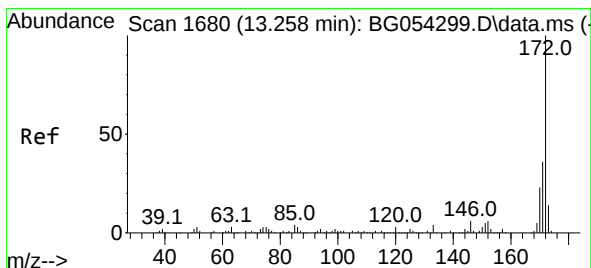
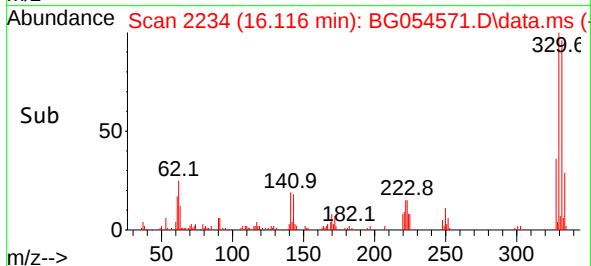
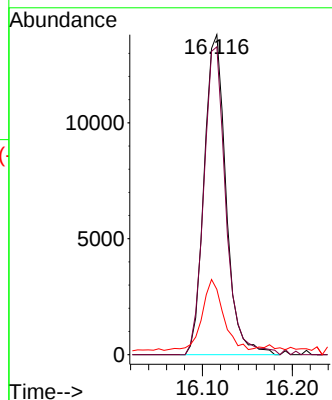
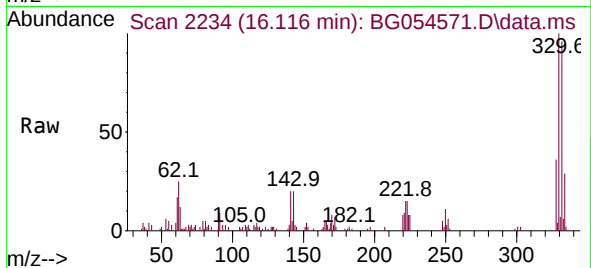
#42
2,4,6-Tribromophenol
Concen: 16.118 ng
RT: 16.116 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Instrument :
BNA_G
ClientSampleId :
P-5ADL

Tgt Ion:330 Resp: 2325
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 20.7 27.1 40.7

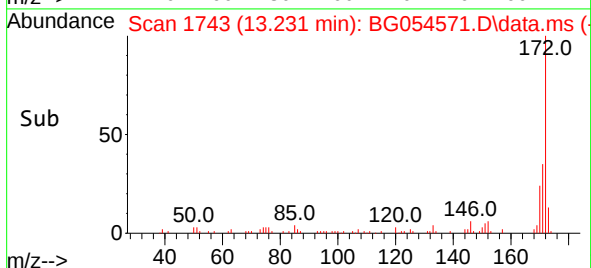
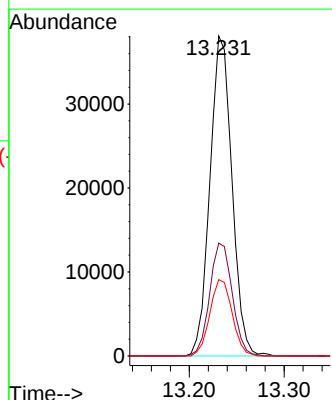
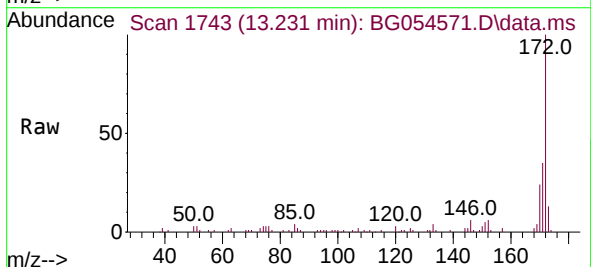
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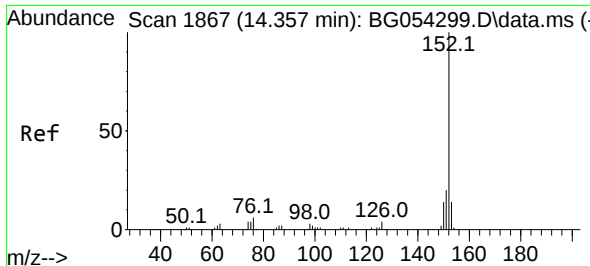
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#45
2-Fluorobiphenyl
Concen: 12.634 ng
RT: 13.231 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

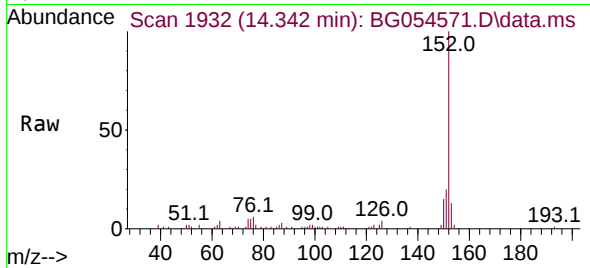
Tgt Ion:172 Resp: 61530
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.8 18.9 28.3





#49
Acenaphthylene
Concen: 12.684 ng
RT: 14.342 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

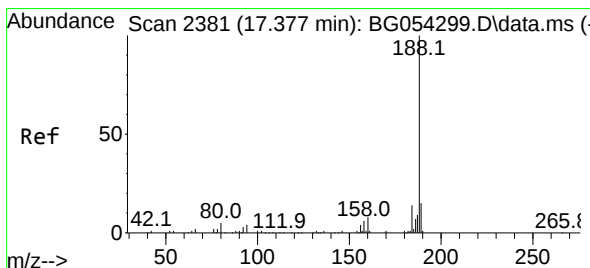
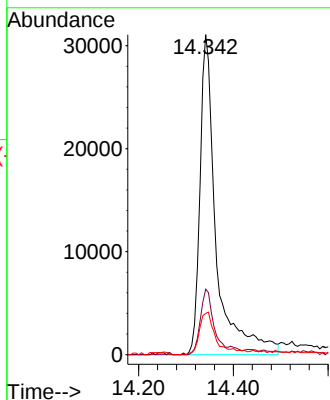
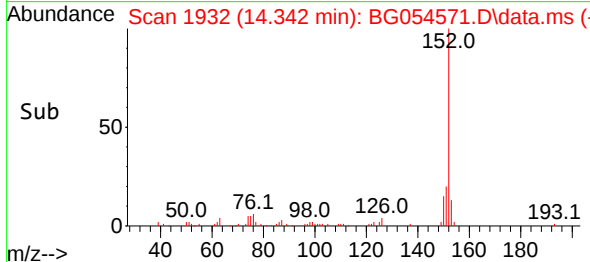
Instrument :
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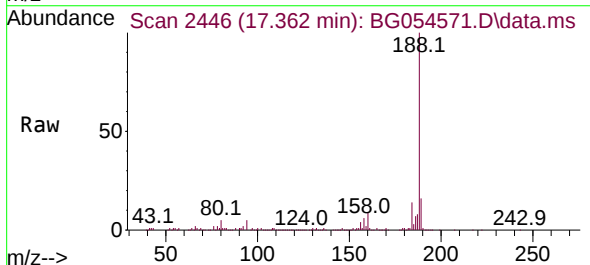
Tgt Ion:152 Resp: 74138
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 12.9 10.8 16.2

Manual Integrations
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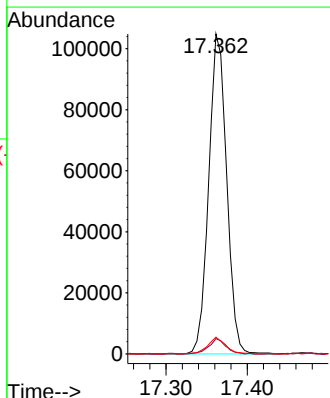
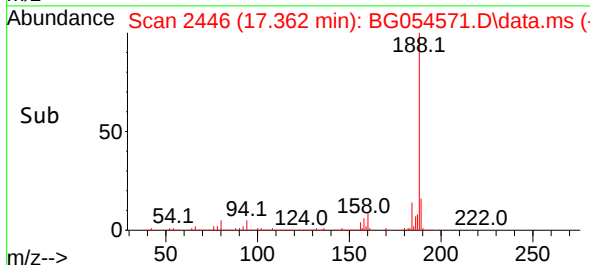
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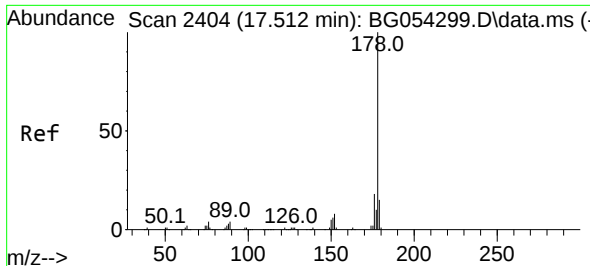


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.362 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44



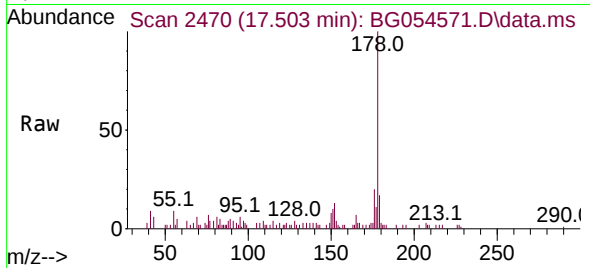
Tgt Ion:188 Resp: 161074
Ion Ratio Lower Upper
188 100
94 4.8 5.4 8.0#
80 5.2 6.8 10.2#





#72
 Anthracene
 Concen: 2.634 ng
 RT: 17.503 min Scan# 2404
 Delta R.T. 0.006 min
 Lab File: BG054571.D
 Acq: 9 Aug 2022 15:44

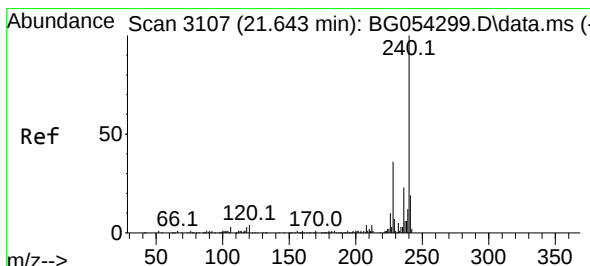
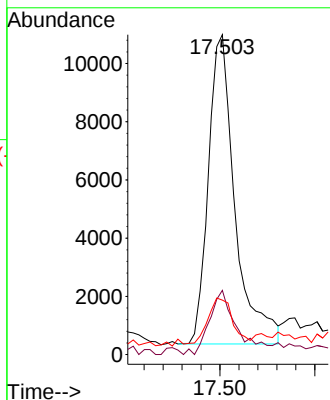
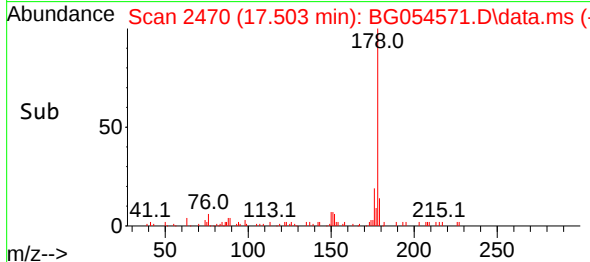
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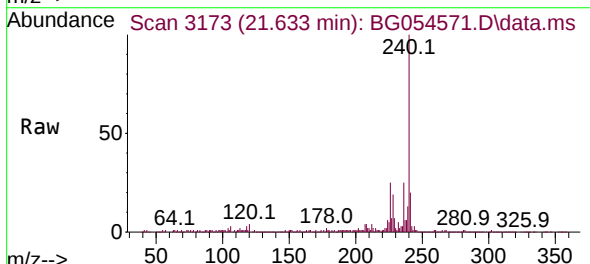
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 Ion Ratio Lower Upper
 178 100
 176 20.1 15.2 22.8
 179 17.0 13.0 19.4

Manual Integrations
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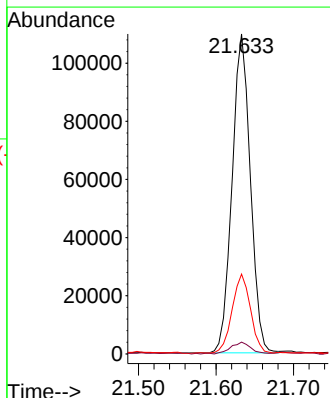
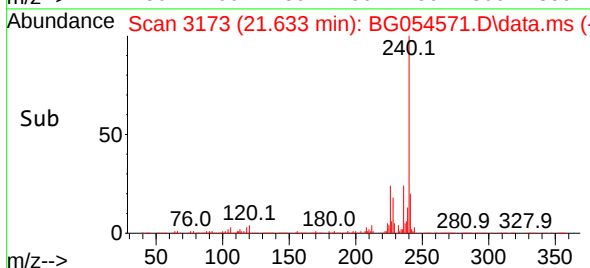
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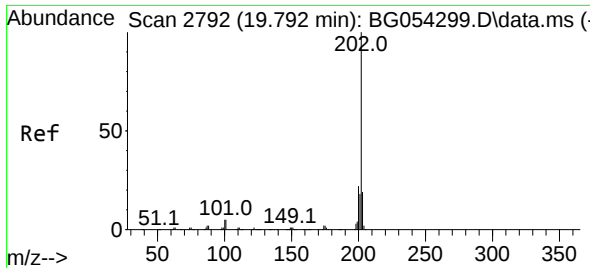


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.633 min Scan# 3173
 Delta R.T. 0.000 min
 Lab File: BG054571.D
 Acq: 9 Aug 2022 15:44



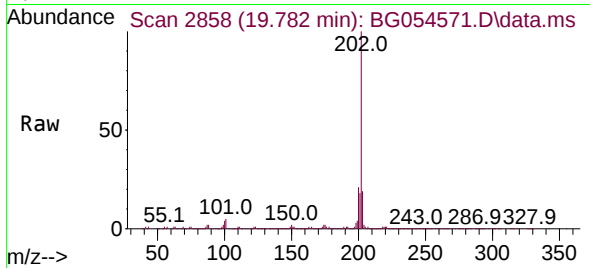
Tgt Ion:240 Resp: 180033
 Ion Ratio Lower Upper
 240 100
 120 3.7 4.6 7.0#
 236 24.9 20.2 30.4





#78
Pyrene
Concen: 25.512 ng
RT: 19.782 min Scan# 2858
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

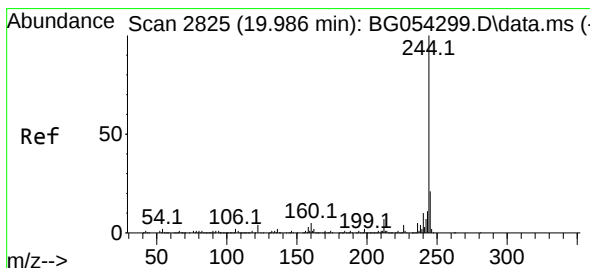
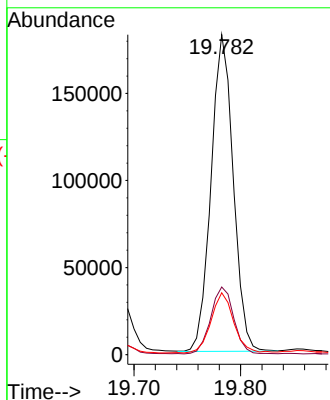
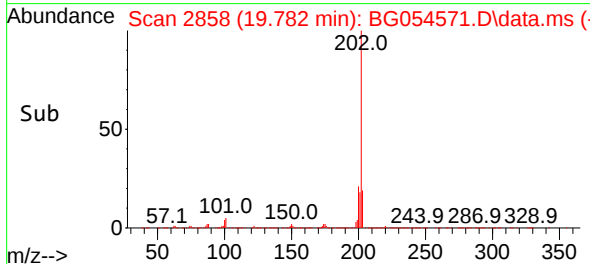
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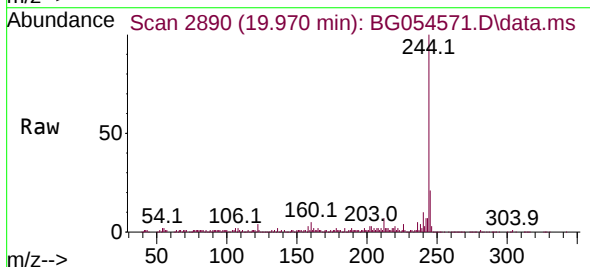
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Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 19.3 14.6 21.8

Manual Integrations
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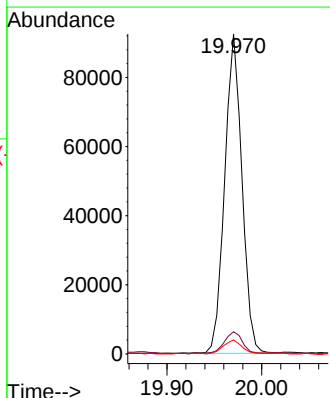
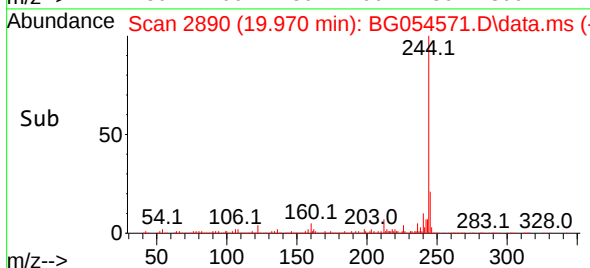
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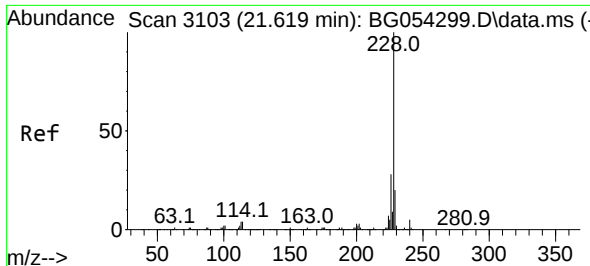


#79
Terphenyl-d14
Concen: 12.874 ng
RT: 19.970 min Scan# 2890
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44



Tgt Ion:244 Resp: 116835
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 4.4 5.0 7.4





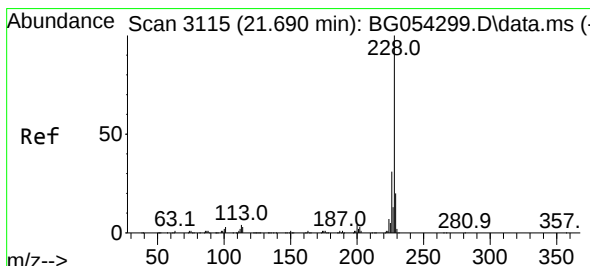
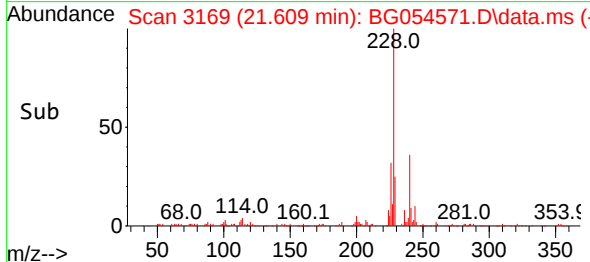
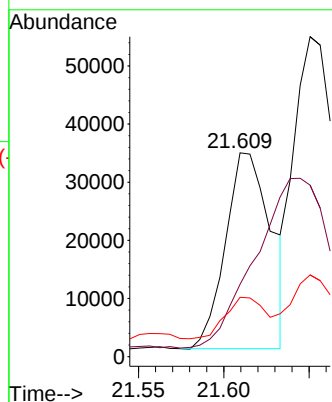
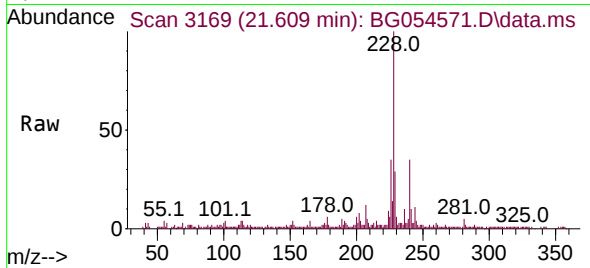
#81
Benzo(a)anthracene
Concen: 5.464 ng
RT: 21.609 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Instrument :
BNA_G
ClientSampleId :
P-5ADL

Tgt Ion:228 Resp: 62446
Ion Ratio Lower Upper
228 100
226 35.5 21.6 32.4#
229 29.1 16.2 24.2#

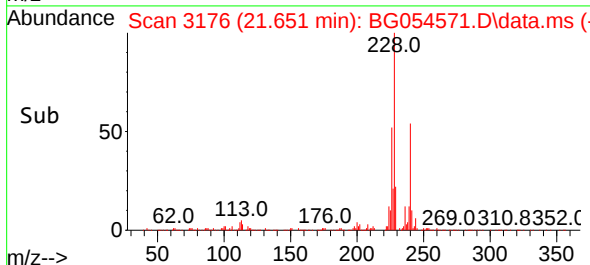
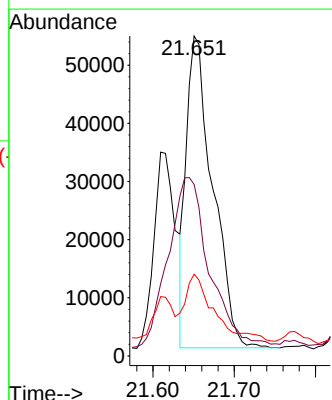
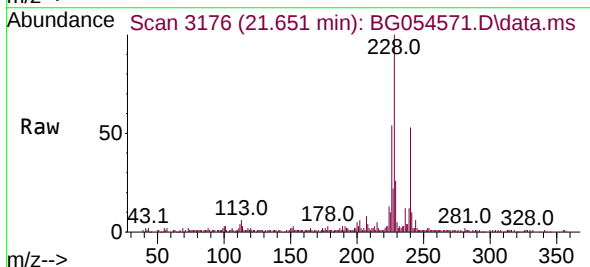
Manual Integrations
APPROVED

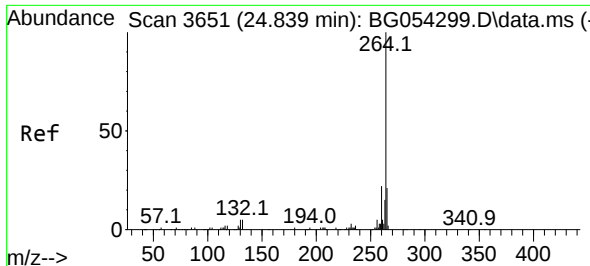
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#83
Chrysene
Concen: 11.170 ng
RT: 21.651 min Scan# 3176
Delta R.T. -0.029 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

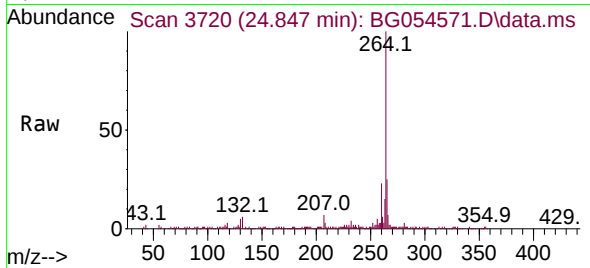
Tgt Ion:228 Resp: 120609
Ion Ratio Lower Upper
228 100
226 53.6 23.4 35.2#
229 25.5 15.5 23.3#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.847 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BG054571.D
 Acq: 9 Aug 2022 15:44

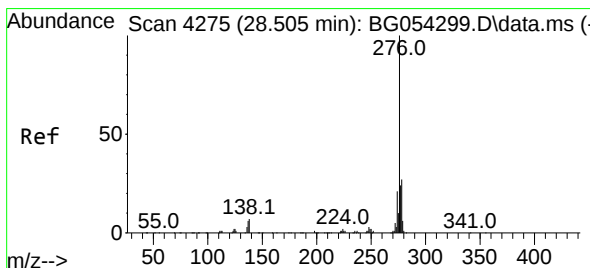
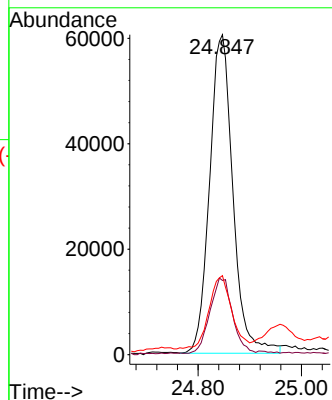
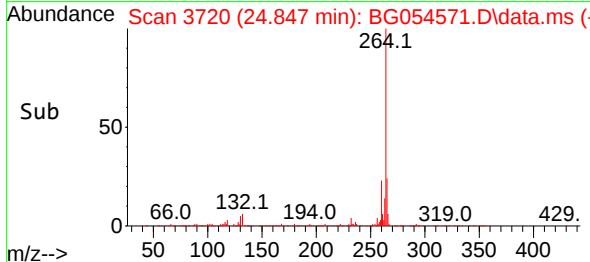
Instrument :
 BNA_G
 ClientSampleId :
 P-5ADL



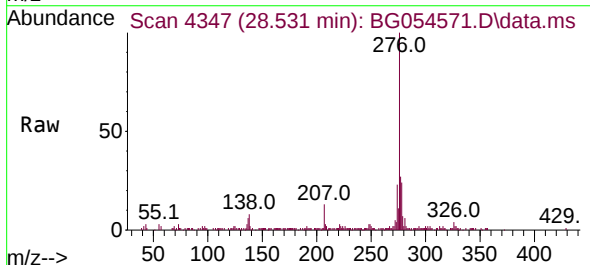
Tgt Ion:264 Resp: 189900
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.0 28.6
 265 24.7 17.4 26.2

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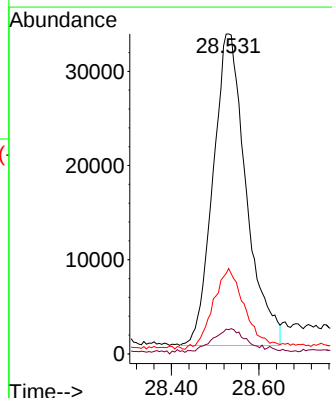
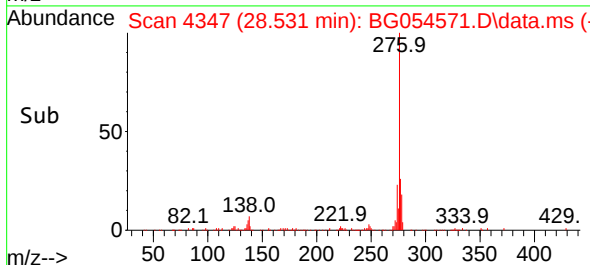
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022

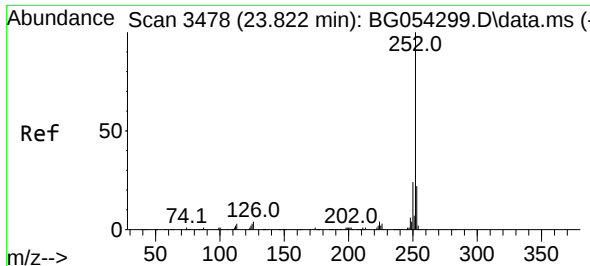


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.039 ng
 RT: 28.531 min Scan# 4347
 Delta R.T. 0.000 min
 Lab File: BG054571.D
 Acq: 9 Aug 2022 15:44



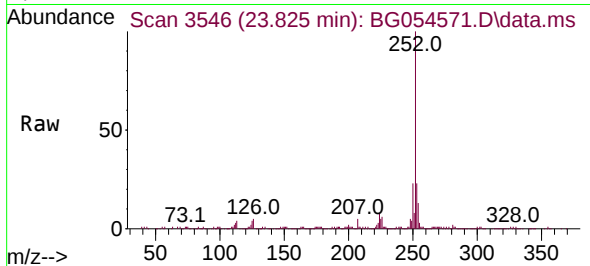
Tgt Ion:276 Resp: 173916
 Ion Ratio Lower Upper
 276 100
 138 7.8 5.0 7.4#
 277 25.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 25.937 ng m
RT: 23.825 min Scan# 3546
Delta R.T. 0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

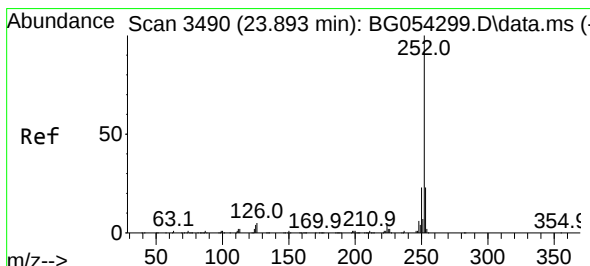
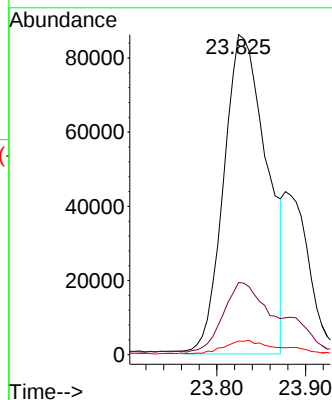
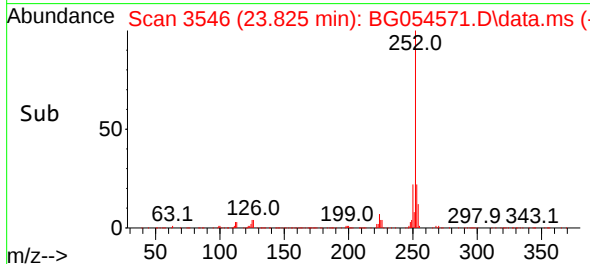
Instrument :
BNA_G
ClientSampleId :
P-5ADL



Tgt Ion:252 Resp: 29128
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 4.2 4.6 6.8

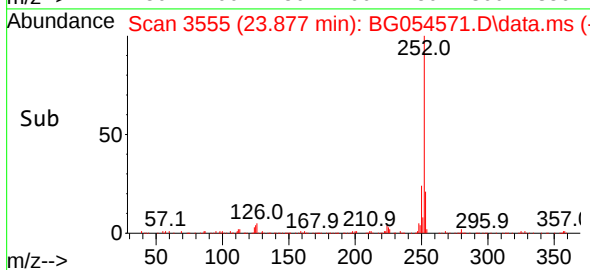
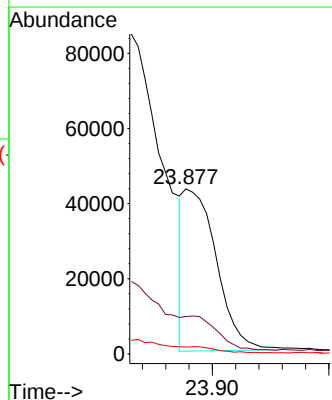
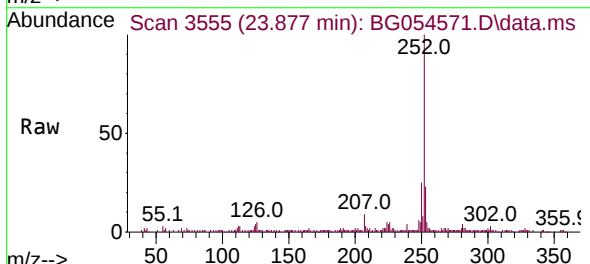
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APPROVED

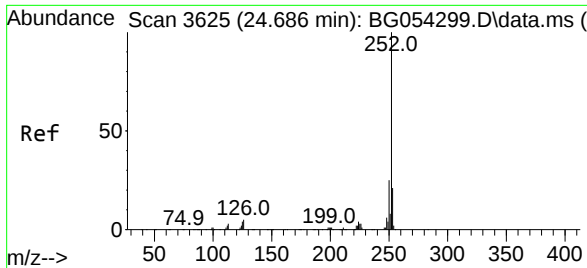
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#89
Benzo(k)fluoranthene
Concen: 7.550 ng m
RT: 23.877 min Scan# 3555
Delta R.T. -0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

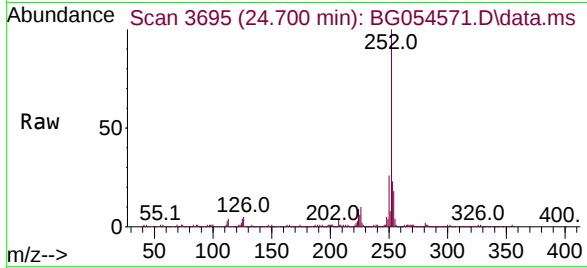
Tgt Ion:252 Resp: 84387
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 4.2 4.8 7.2





#90
Benzo(a)pyrene
Concen: 34.672 ng m
RT: 24.700 min Scan# 3625
Delta R.T. 0.012 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

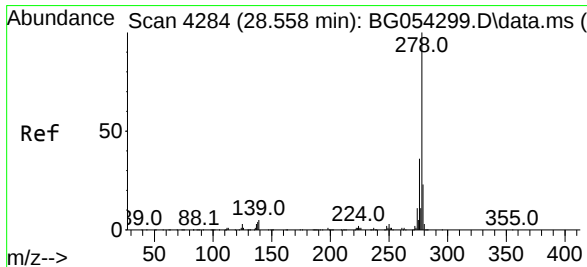
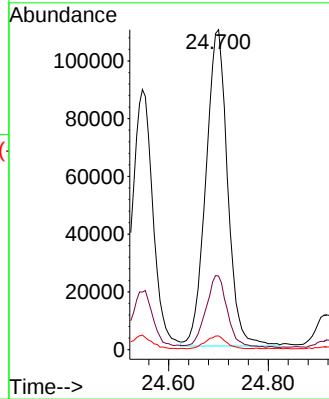
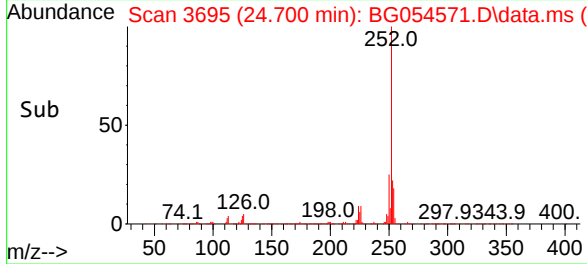
Instrument :
BNA_G
ClientSampleId :
P-5ADL



Tgt Ion:252 Resp: 332538
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 4.3 4.3 6.5

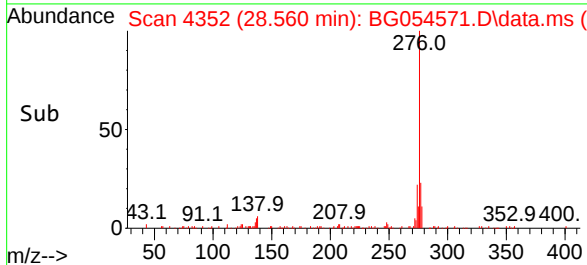
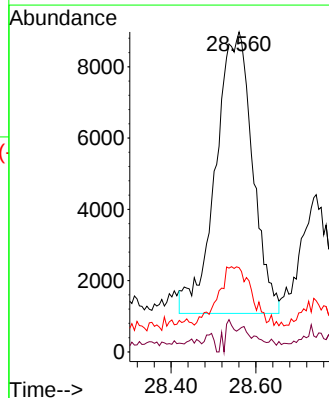
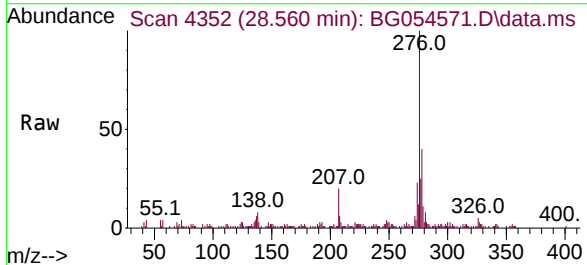
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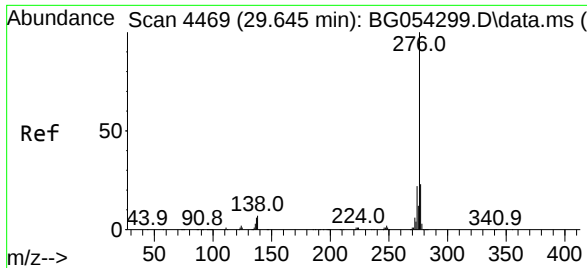
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.005 ng m
RT: 28.560 min Scan# 4352
Delta R.T. -0.012 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Tgt Ion:278 Resp: 47577
Ion Ratio Lower Upper
278 100
139 7.0 7.2 10.8
279 26.3 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 15.957 ng

RT: 29.682 min Scan# 4543

Delta R.T. 0.006 min

Lab File: BG054571.D

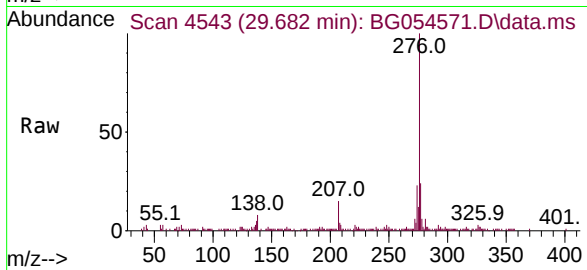
Acq: 9 Aug 2022 15:44

Instrument :

BNA_G

ClientSampleId :

P-5ADL



Tgt Ion:276 Resp: 187091

Ion Ratio Lower Upper

276 100

277 24.3 17.3 25.9

138 8.3 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/10/2022

Supervised By :Jagrut Upadhyay 08/10/2022

