

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112522\
 Data File : BG055794.D
 Acq On : 26 Nov 2022 00:10
 Operator : CG/JU
 Sample : N5745-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-112122DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/28/2022
 Supervised By : Jagrut Upadhyay 11/29/2022

Quant Time: Nov 26 01:24:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.235	152	58988	20.000	ng	0.00
21) Naphthalene-d8	11.061	136	239777	20.000	ng	0.00
39) Acenaphthene-d10	14.857	164	156651	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	332745	20.000	ng	0.00
76) Chrysene-d12	21.896	240	322096	20.000	ng	0.00
86) Perylene-d12	25.292	264	342817	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.767	112	26340	8.071	ng	0.00
7) Phenol-d6	7.377	99	33185	7.639	ng	0.00
23) Nitrobenzene-d5	9.410	82	20670	4.556	ng	0.00
42) 2,4,6-Tribromophenol	16.343	330	13965	6.331	ng	0.00
45) 2-Fluorobiphenyl	13.482	172	51736	4.948	ng	0.00
79) Terphenyl-d14	20.180	244	80869	5.022	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.921	154	23045	2.413	ng	99
58) Fluorene	15.897	166	39755	3.379	ng	100
71) Phenanthrene	17.642	178	315633	17.578	ng	99
72) Anthracene	17.730	178	96284	5.519	ng	97
75) Fluoranthene	19.639	202	618378	28.307	ng	99
78) Pyrene	20.004	202	535675	24.570	ng	99
81) Benzo(a)anthracene	21.872	228	296390	13.360	ng	99
83) Chrysene	21.943	228	256235	12.133	ng	99
87) Indeno(1,2,3-cd)pyrene	29.193	276	188502	6.712	ng	# 97
88) Benzo(b)fluoranthene	24.205	252	365972	16.392	ng	99
89) Benzo(k)fluoranthene	24.269	252	138984m	6.245	ng	
90) Benzo(a)pyrene	25.133	252	284817	14.866	ng	99
91) Dibenzo(a,h)anthracene	29.246	278	51153m	2.229	ng	
92) Benzo(g,h,i)perylene	30.427	276	175418	7.584	ng	98

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

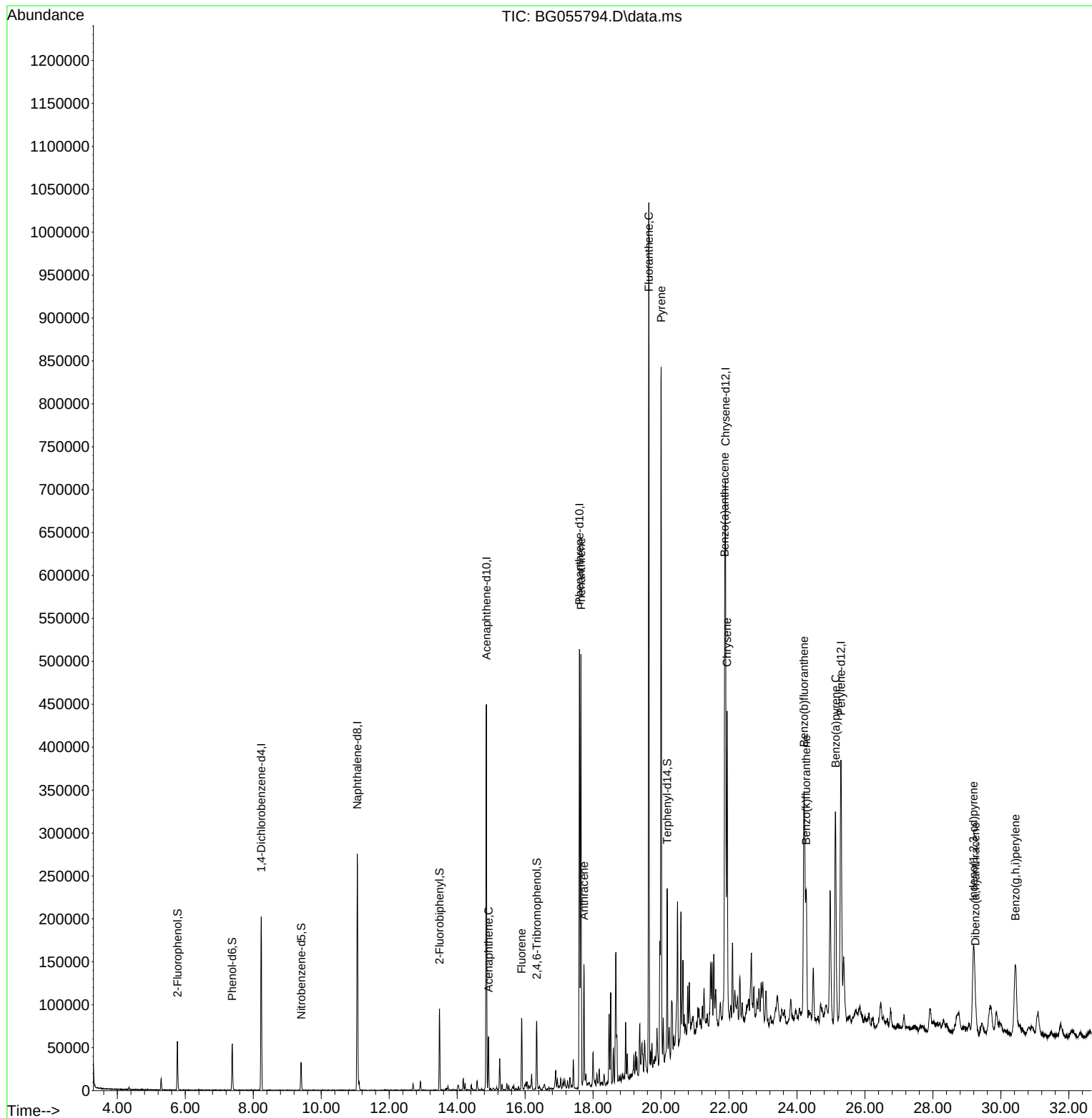
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112522\
Data File : BG055794.D
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Operator : CG/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

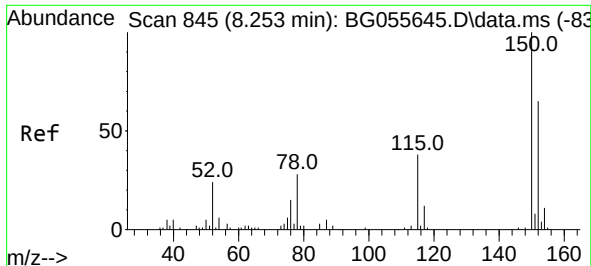
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Quant Time: Nov 26 01:24:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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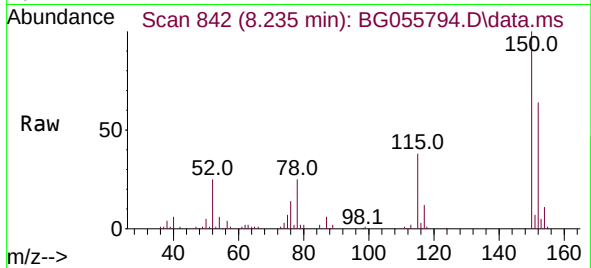
Reviewed By : Christian Giraldo 11/28/2022
Supervised By : Jagrut Upadhyay 11/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.235 min Scan# 845
Delta R.T. -0.001 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

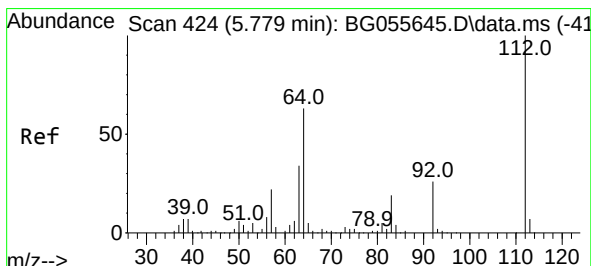
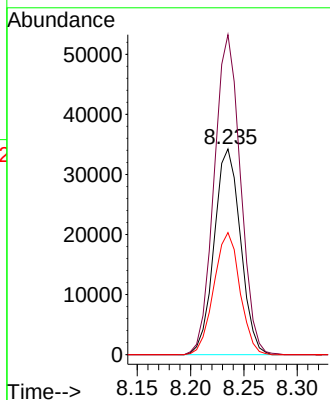
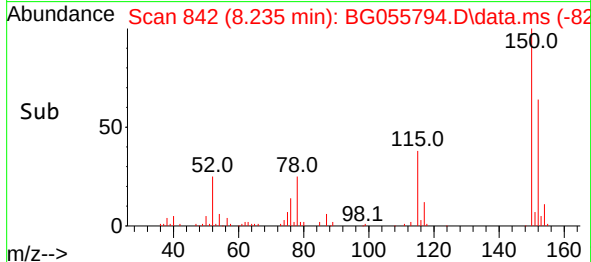
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122DL



Tgt Ion:152 Resp: 58988
Ion Ratio Lower Upper
152 100
150 155.6 123.0 184.6
115 59.3 47.0 70.4

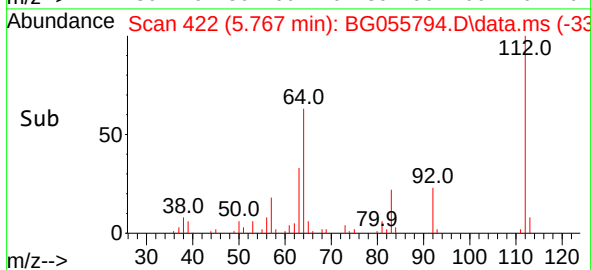
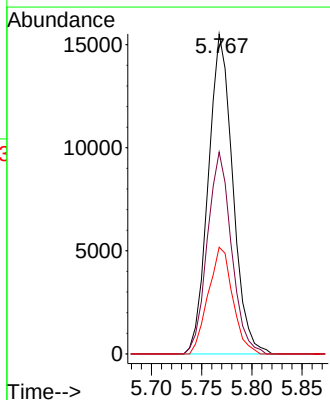
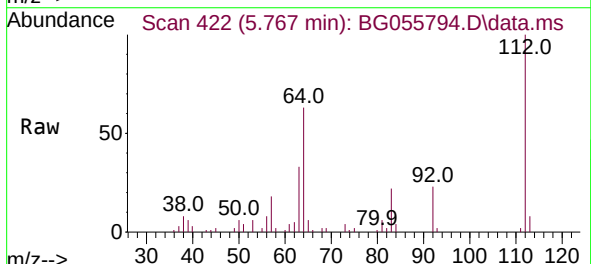
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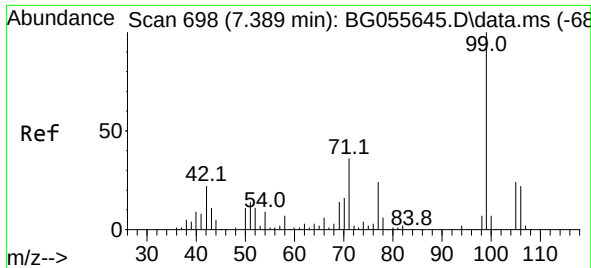
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#5
2-Fluorophenol
Concen: 8.071 ng
RT: 5.767 min Scan# 422
Delta R.T. -0.000 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion:112 Resp: 26340
Ion Ratio Lower Upper
112 100
64 63.1 50.6 76.0
63 33.3 27.5 41.3





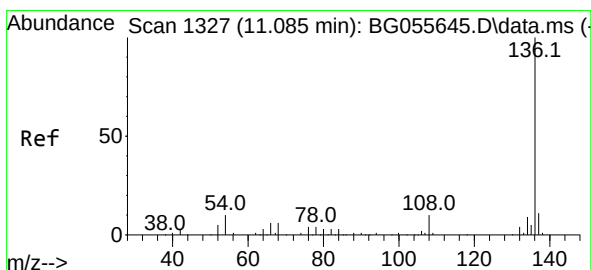
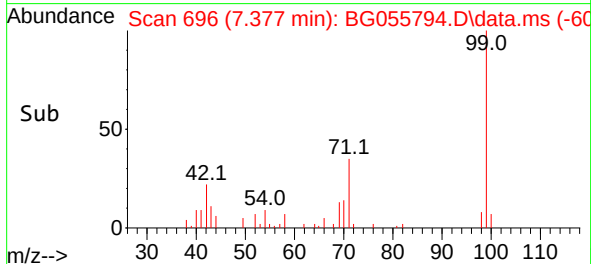
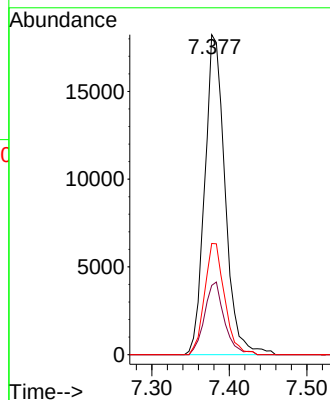
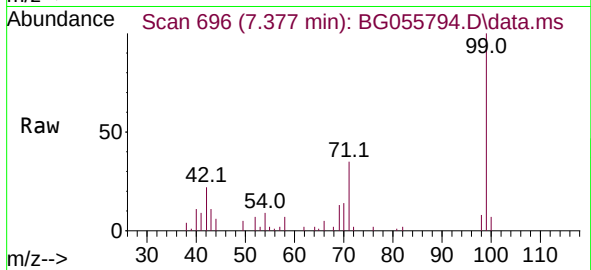
#7
Phenol-d6
Concen: 7.639 ng
RT: 7.377 min Scan# 698
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122DL

Tgt Ion: 99	Resp: 33185
Ion Ratio	Lower Upper
99 100	
42 21.7	18.0 27.0
71 34.7	29.0 43.6

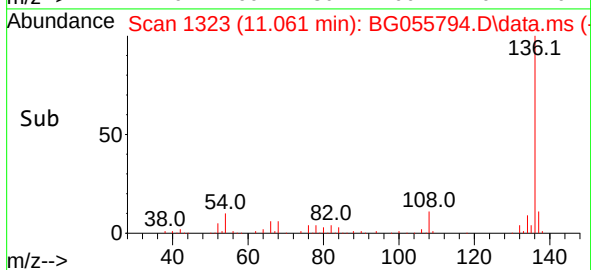
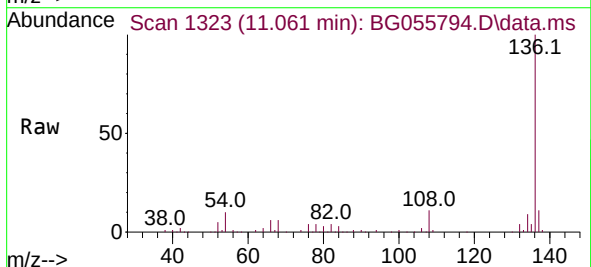
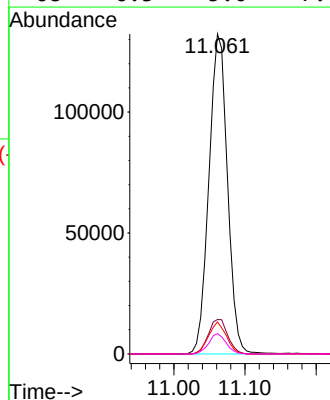
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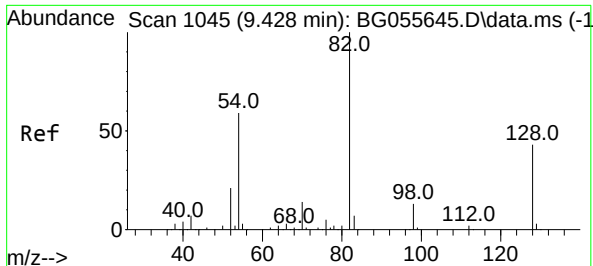
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.061 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion:136	Resp: 239777
Ion Ratio	Lower Upper
136 100	
137 10.7	9.0 13.6
54 10.0	7.8 11.6
68 6.3	5.0 7.4





#23
Nitrobenzene-d5
Concen: 4.556 ng
RT: 9.410 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Instrument :

BNA_G

ClientSampleId :

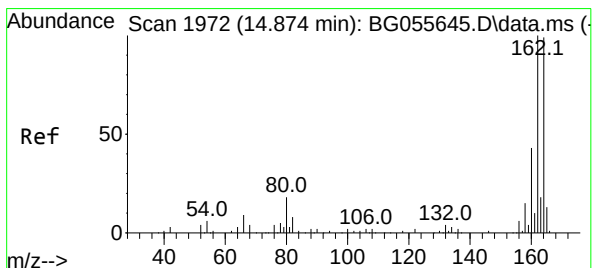
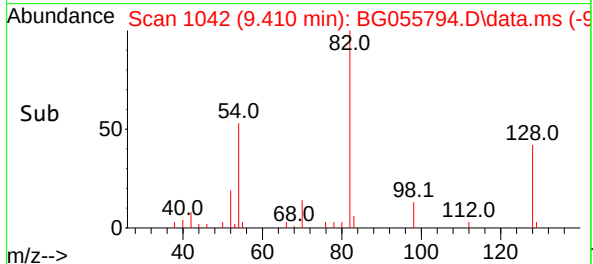
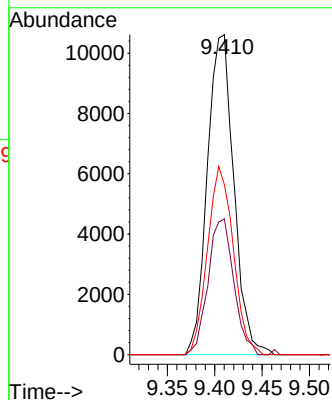
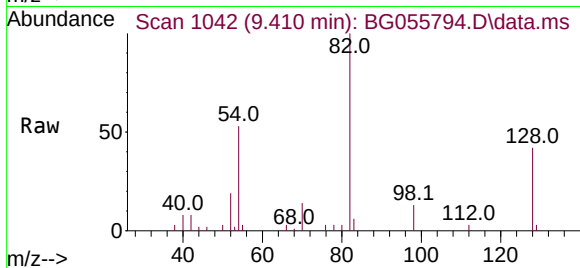
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Tgt Ion: 82 Resp: 20670
Ion Ratio Lower Upper
82 100
128 42.4 34.1 51.1
54 53.1 47.3 70.9

Manual Integrations

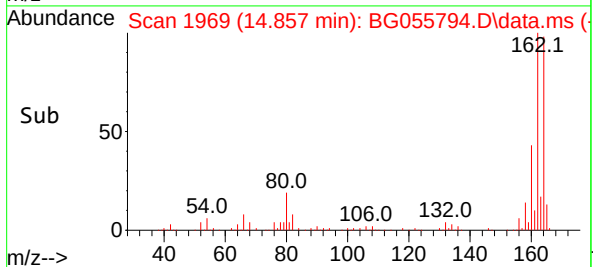
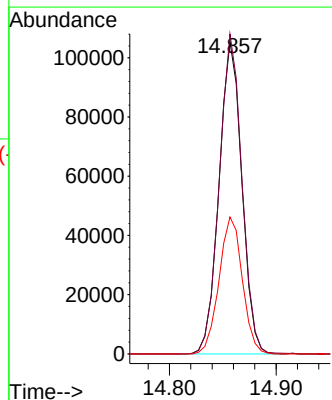
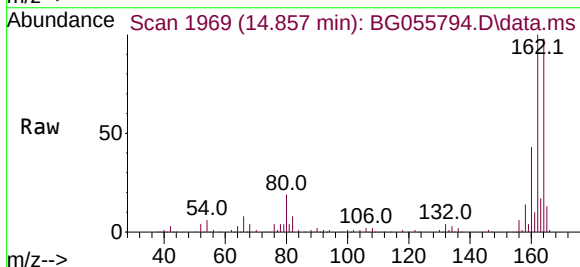
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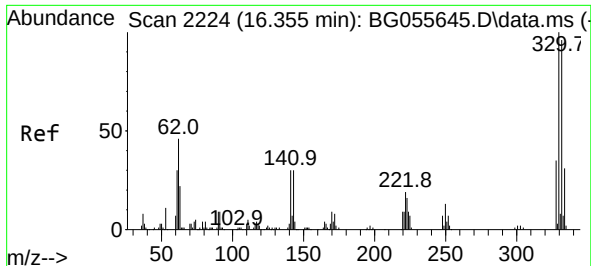
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.857 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

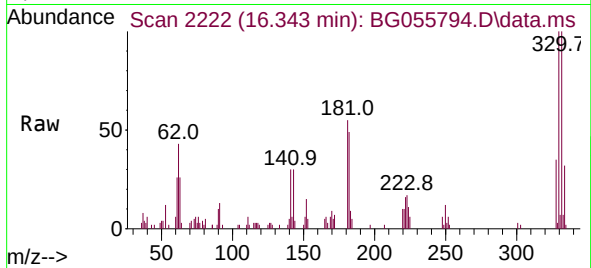
Tgt Ion:164 Resp: 156651
Ion Ratio Lower Upper
164 100
162 102.5 81.1 121.7
160 43.8 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 6.331 ng
RT: 16.343 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

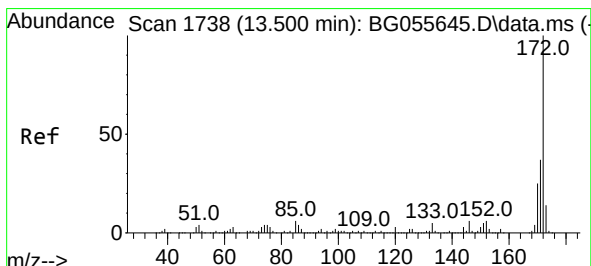
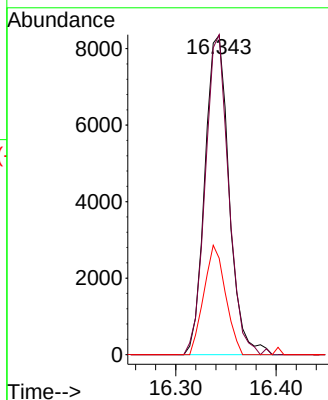
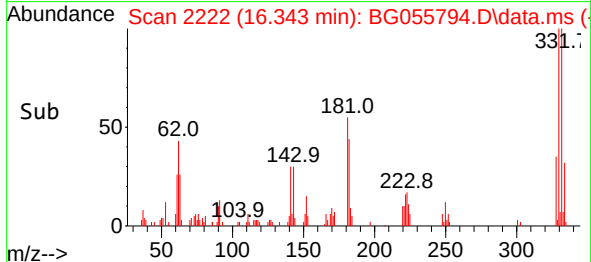
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122DL



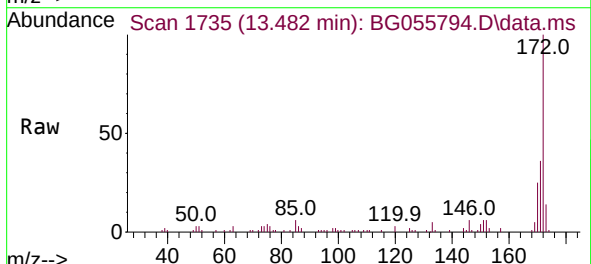
Tgt Ion:330 Resp: 1396
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 30.6 23.9 35.9

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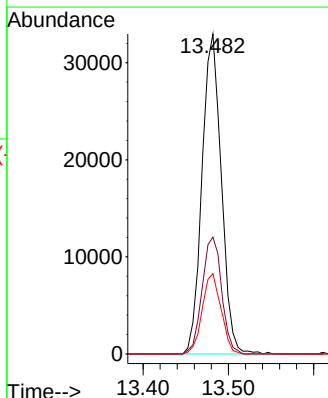
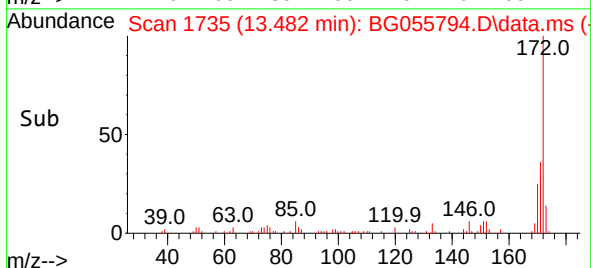
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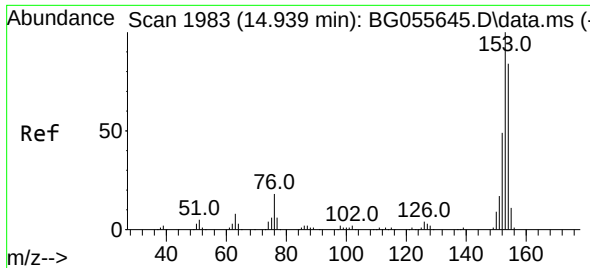


#45
2-Fluorobiphenyl
Concen: 4.948 ng
RT: 13.482 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10



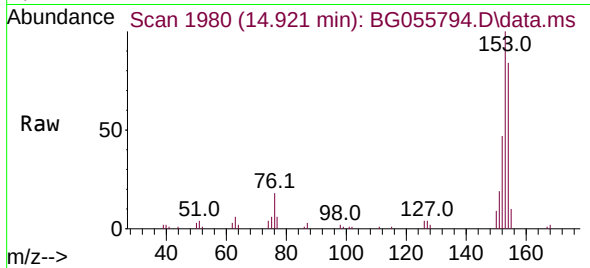
Tgt Ion:172 Resp: 51736
Ion Ratio Lower Upper
172 100
171 36.5 29.8 44.6
170 25.1 20.2 30.4





#52
Acenaphthene
Concen: 2.413 ng
RT: 14.921 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

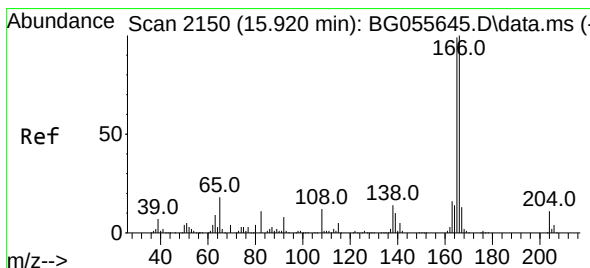
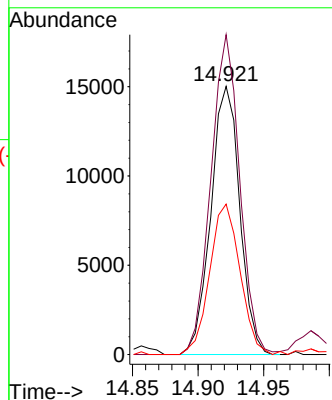
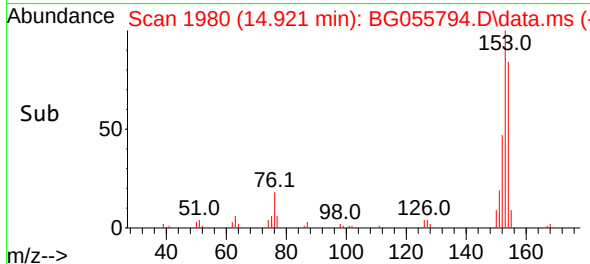
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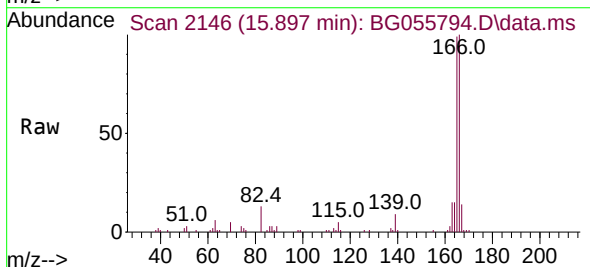
Tgt Ion:154 Resp: 23045
Ion Ratio Lower Upper
154 100
153 119.3 95.0 142.4
152 56.1 46.1 69.1

Manual Integrations
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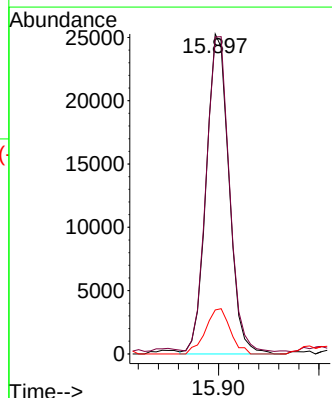
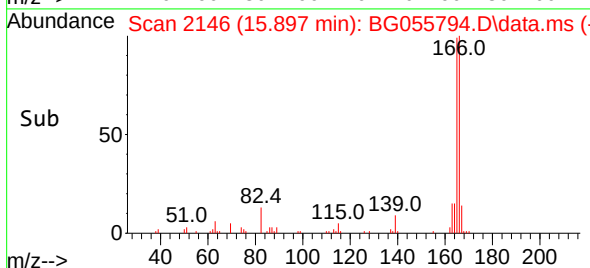
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022

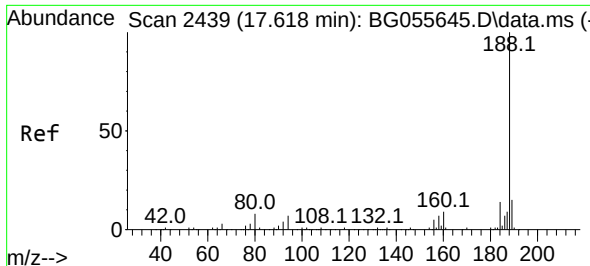


#58
Fluorene
Concen: 3.379 ng
RT: 15.897 min Scan# 2146
Delta R.T. -0.012 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10



Tgt Ion:166 Resp: 39755
Ion Ratio Lower Upper
166 100
165 99.0 79.3 118.9
167 13.7 10.6 15.8





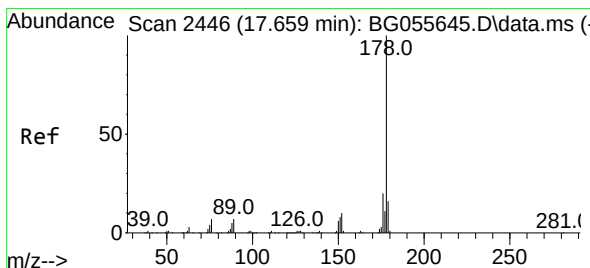
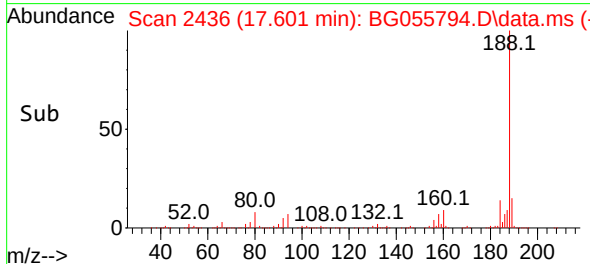
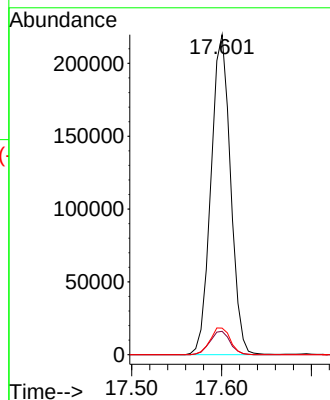
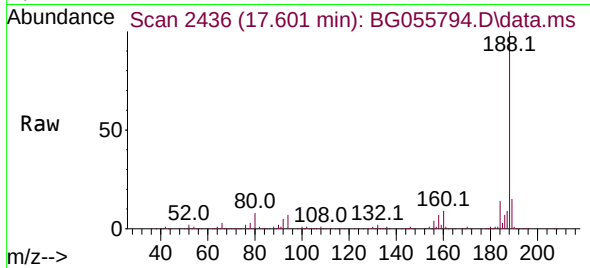
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122DL

Tgt Ion:188 Resp: 332745
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.2
80 8.3 6.6 10.0

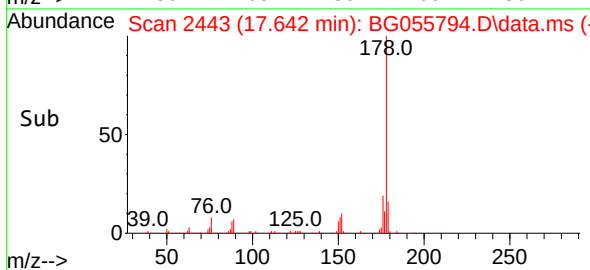
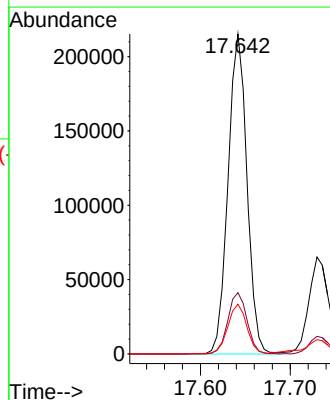
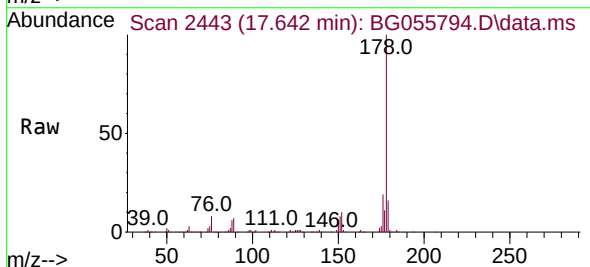
Manual Integrations
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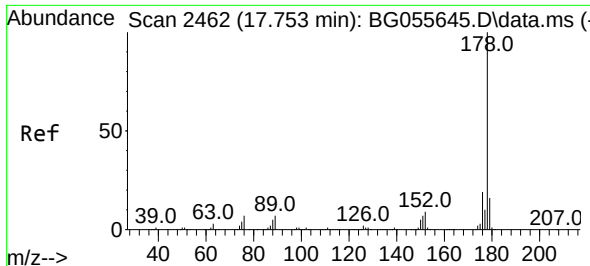
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#71
Phenanthrene
Concen: 17.578 ng
RT: 17.642 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

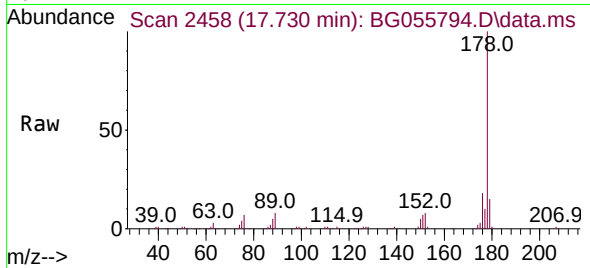
Tgt Ion:178 Resp: 315633
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.5 12.7 19.1





#72
 Anthracene
 Concen: 5.519 ng
 RT: 17.730 min Scan# 2462
 Delta R.T. -0.012 min
 Lab File: BG055794.D
 Acq: 26 Nov 2022 00:10

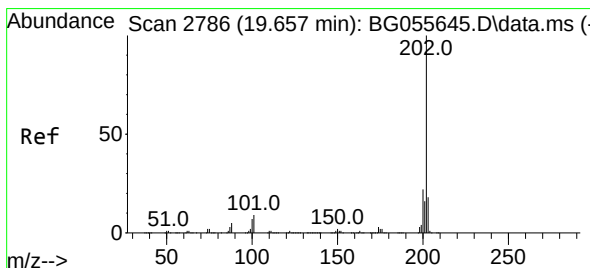
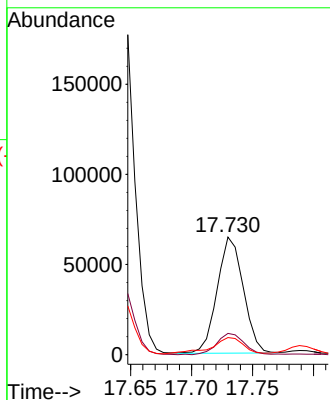
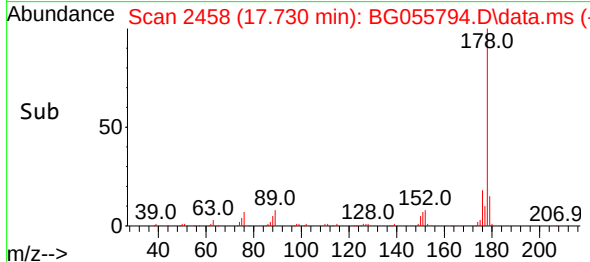
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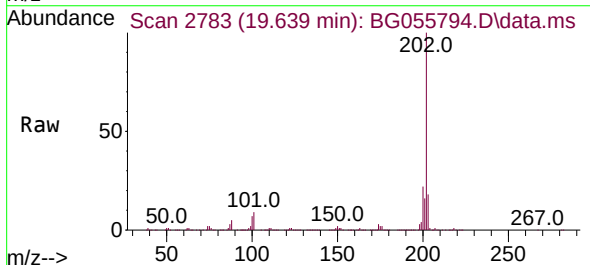
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 Ion Ratio Lower Upper
 178 100
 176 18.1 15.5 23.3
 179 14.5 12.5 18.7

Manual Integrations
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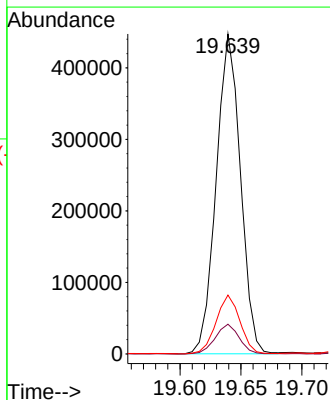
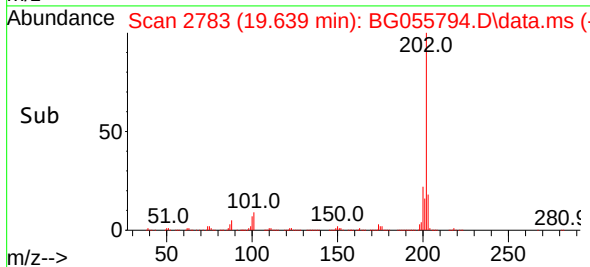
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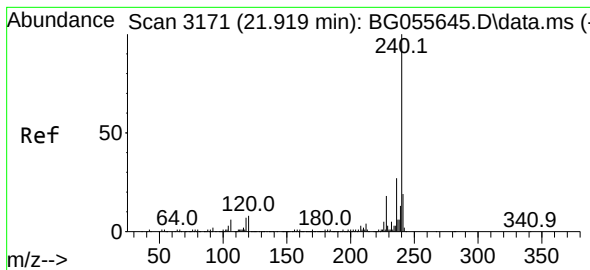


#75
 Fluoranthene
 Concen: 28.307 ng
 RT: 19.639 min Scan# 2783
 Delta R.T. -0.006 min
 Lab File: BG055794.D
 Acq: 26 Nov 2022 00:10



Tgt Ion:202 Resp: 618378
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 28.8
 203 18.4 0.0 38.1





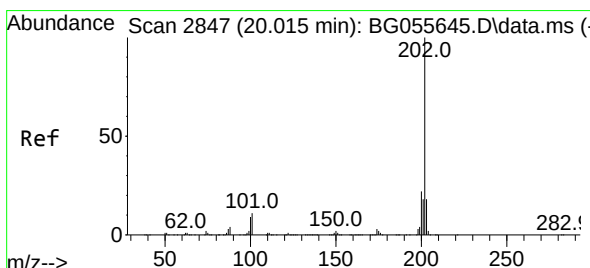
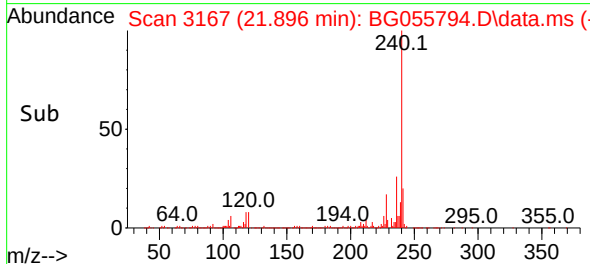
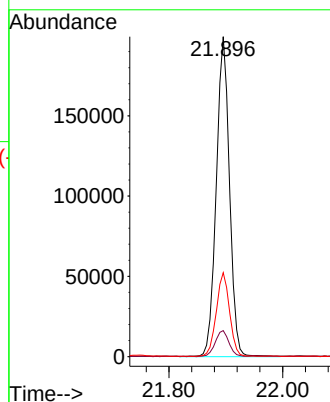
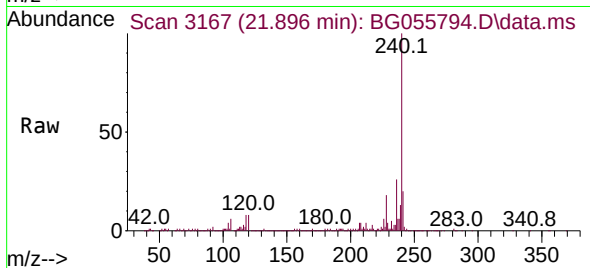
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122DL

Tgt Ion:240 Resp: 322096
Ion Ratio Lower Upper
240 100
120 8.1 6.3 9.5
236 26.2 21.9 32.9

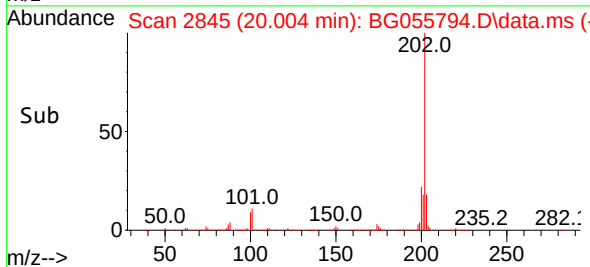
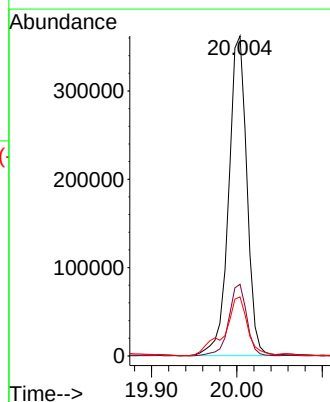
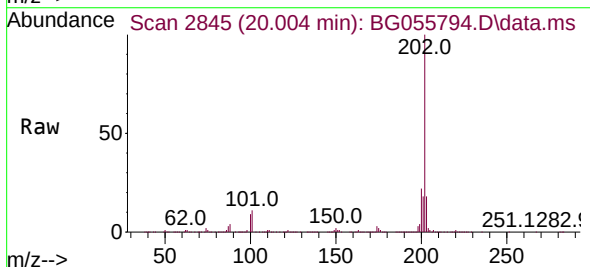
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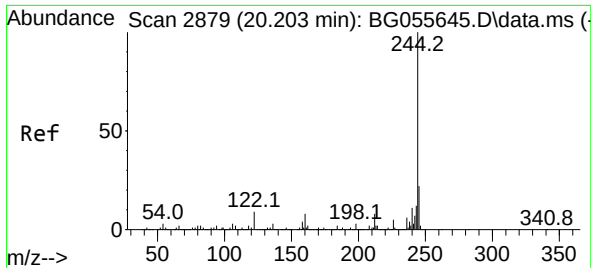
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#78
Pyrene
Concen: 24.570 ng
RT: 20.004 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

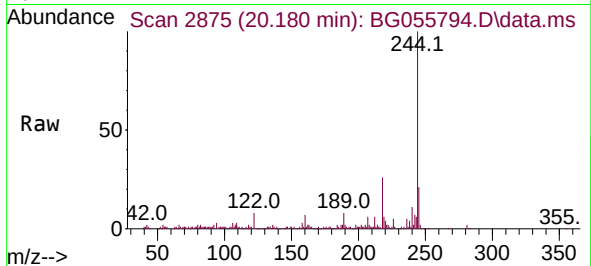
Tgt Ion:202 Resp: 535675
Ion Ratio Lower Upper
202 100
200 22.4 17.8 26.6
203 18.4 14.4 21.6





#79
 Terphenyl-d14
 Concen: 5.022 ng
 RT: 20.180 min Scan# 2879
 Delta R.T. -0.012 min
 Lab File: BG055794.D
 Acq: 26 Nov 2022 00:10

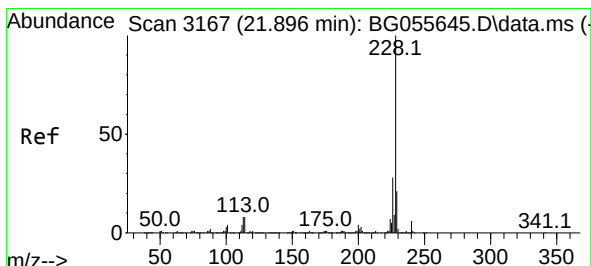
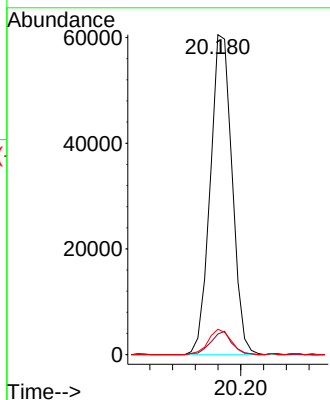
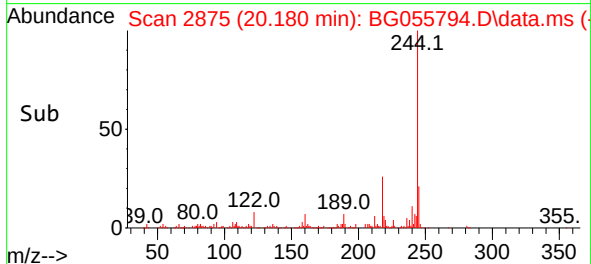
Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-112122DL



Tgt Ion:244 Resp: 80869
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.3 9.5
 122 7.9 6.9 10.3

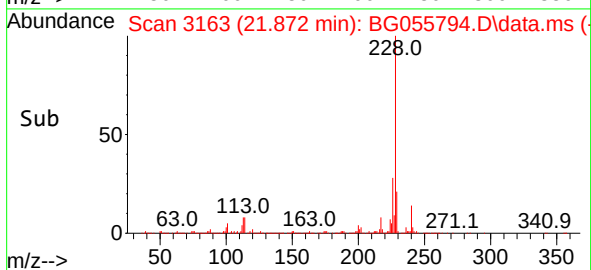
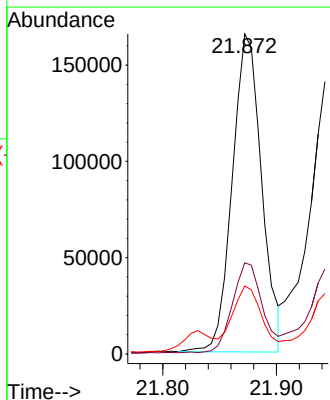
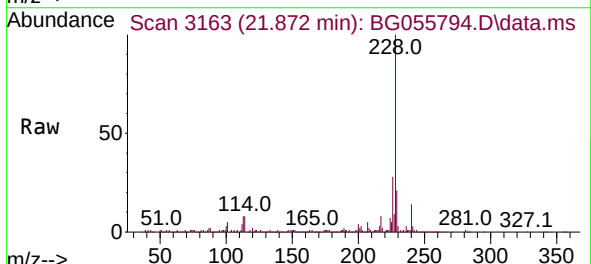
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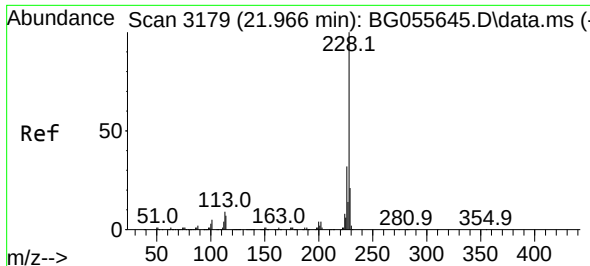
Reviewed By :Christian Giraldo 11/28/2022
 Supervised By :Jagrut Upadhyay 11/29/2022



#81
 Benzo(a)anthracene
 Concen: 13.360 ng
 RT: 21.872 min Scan# 3163
 Delta R.T. -0.012 min
 Lab File: BG055794.D
 Acq: 26 Nov 2022 00:10

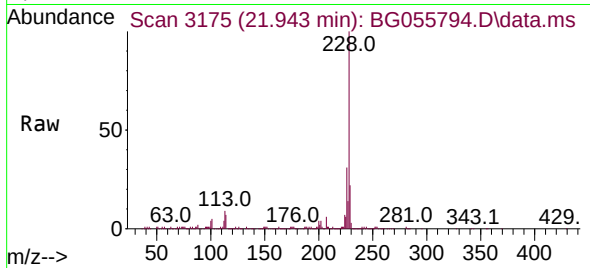
Tgt Ion:228 Resp: 296390
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.7 34.1
 229 21.2 16.5 24.7





#83
Chrysene
Concen: 12.133 ng
RT: 21.943 min Scan# 3175
Delta R.T. -0.012 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

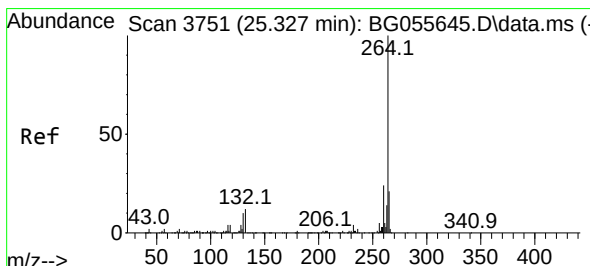
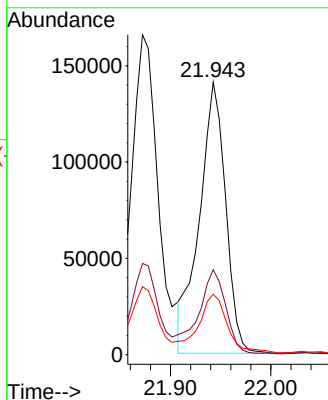
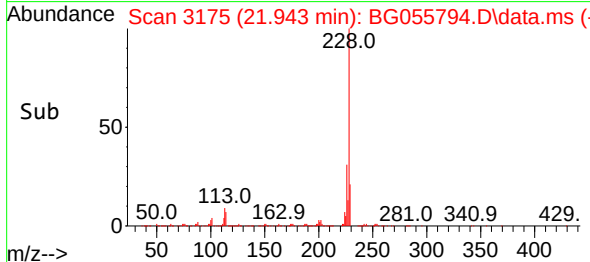
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122DL



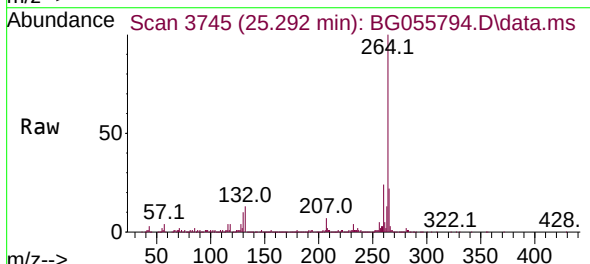
Tgt Ion:228 Resp: 256235
Ion Ratio Lower Upper
228 100
226 31.2 25.4 38.2
229 22.2 17.1 25.7

Manual Integrations
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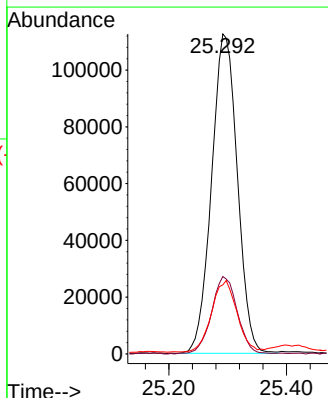
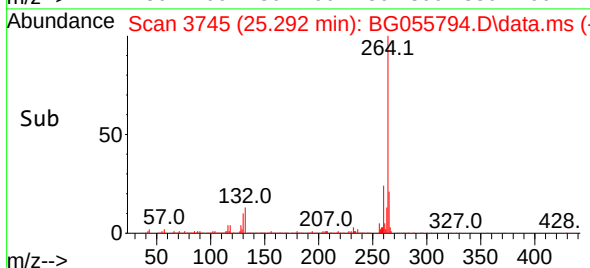
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022

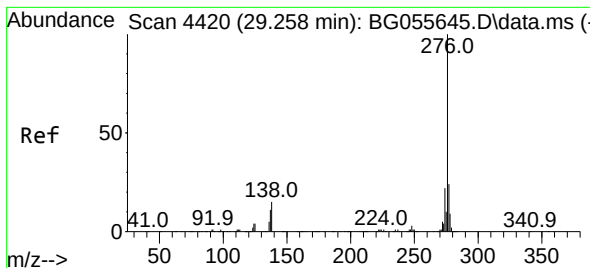


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.292 min Scan# 3745
Delta R.T. -0.012 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10



Tgt Ion:264 Resp: 342817
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.712 ng

RT: 29.193 min Scan# 4420

Delta R.T. -0.042 min

Lab File: BG055794.D

Acq: 26 Nov 2022 00:10

Instrument :

BNA_G

ClientSampleId :

PAT-01-112122DL

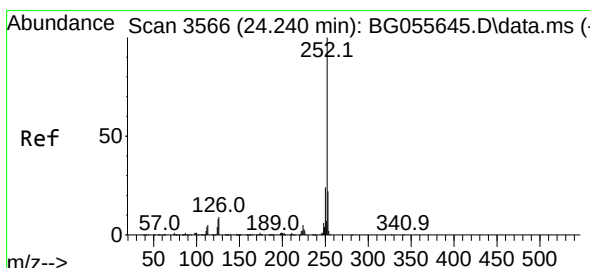
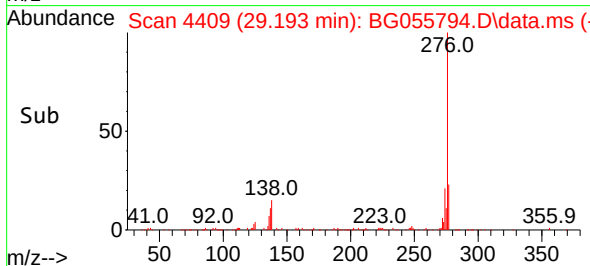
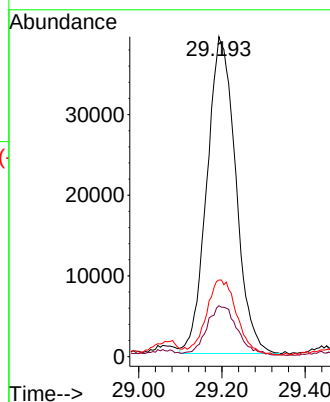
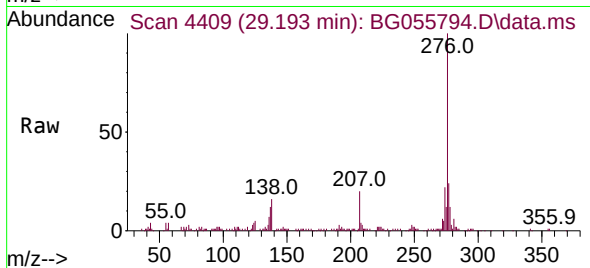
Tgt Ion:	276	Resp:	188502
Ion Ratio	Lower	Upper	
276	100		
138	16.5	10.4	15.6
277	25.2	20.2	30.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/28/2022

Supervised By :Jagrut Upadhyay 11/29/2022



#88

Benzo(b)fluoranthene

Concen: 16.392 ng

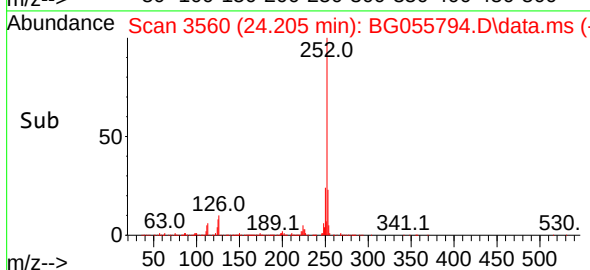
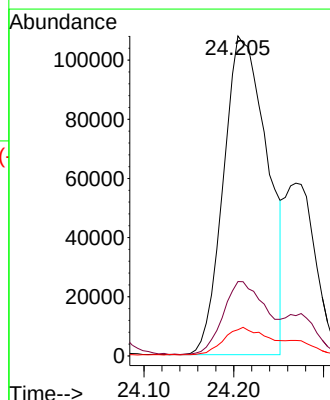
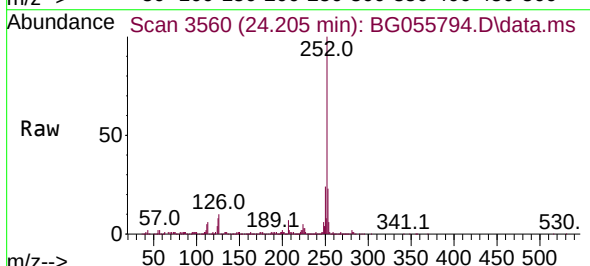
RT: 24.205 min Scan# 3560

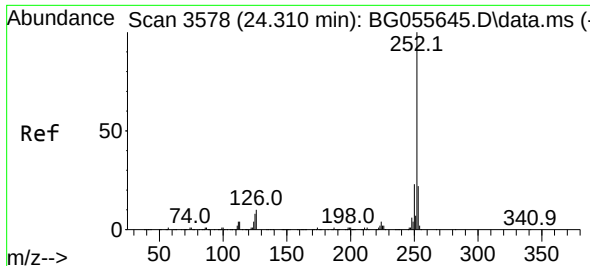
Delta R.T. -0.012 min

Lab File: BG055794.D

Acq: 26 Nov 2022 00:10

Tgt Ion:	252	Resp:	365972
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	8.2	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 6.245 ng m

RT: 24.269 min Scan# 3578

Delta R.T. -0.024 min

Lab File: BG055794.D

Acq: 26 Nov 2022 00:10

Instrument :

BNA_G

ClientSampleId :

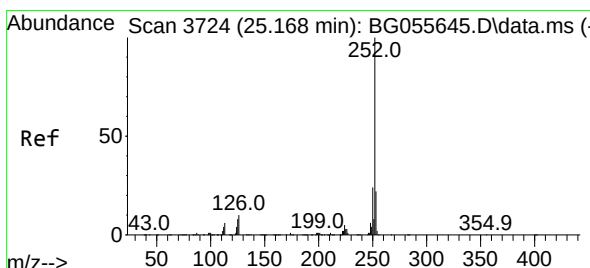
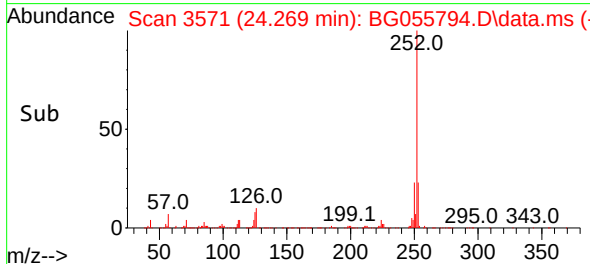
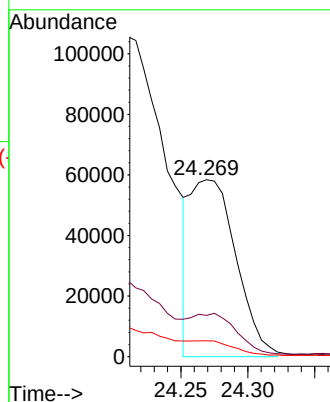
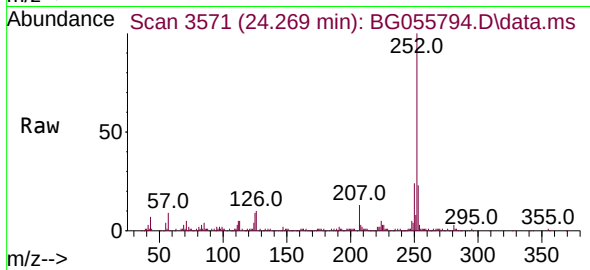
PAT-01-112122DL

Tgt Ion:252 Resp: 138984
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.8 26.6
 125 9.0 6.1 9.1

Manual Integrations

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Reviewed By :Christian Giraldo 11/28/2022
 Supervised By :Jagrut Upadhyay 11/29/2022



#90

Benzo(a)pyrene

Concen: 14.866 ng

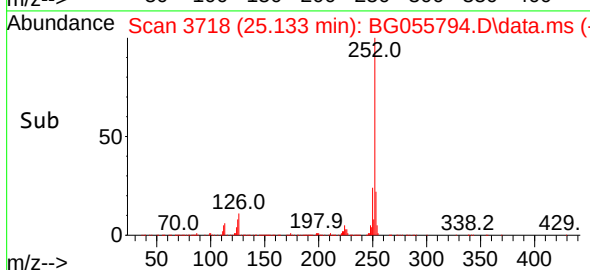
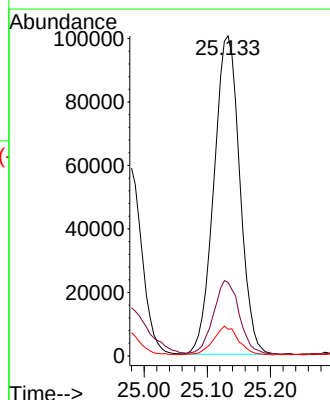
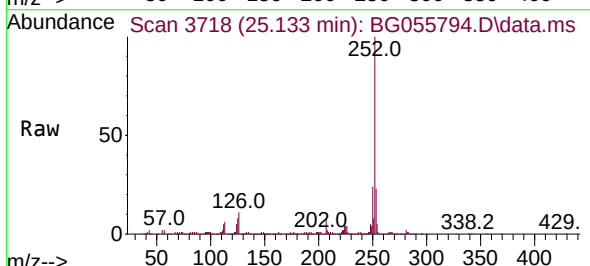
RT: 25.133 min Scan# 3718

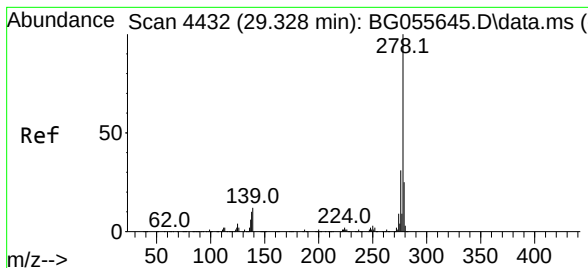
Delta R.T. -0.012 min

Lab File: BG055794.D

Acq: 26 Nov 2022 00:10

Tgt Ion:252 Resp: 284817
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.6
 125 8.3 6.4 9.6





#91

Dibenzo(a,h)anthracene

Concen: 2.229 ng m

RT: 29.246 min Scan# 4432

Delta R.T. -0.053 min

Lab File: BG055794.D

Acq: 26 Nov 2022 00:10

Instrument :

BNA_G

ClientSampleId :

PAT-01-112122DL

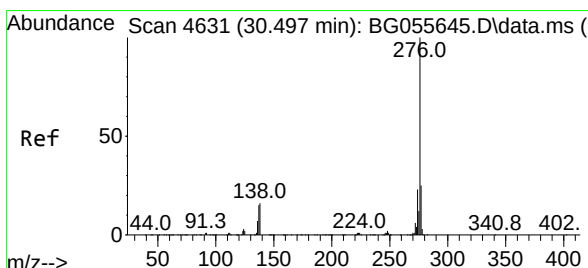
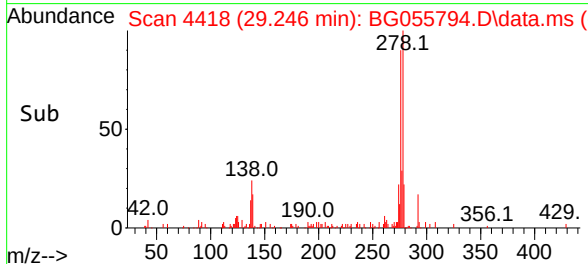
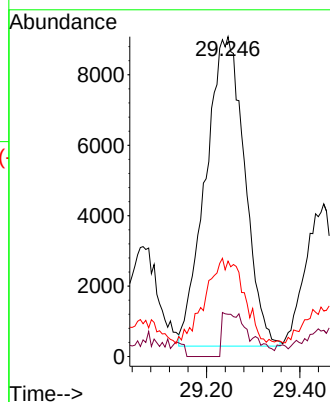
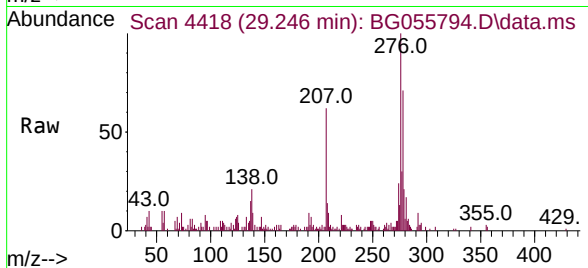
Tgt Ion:	278	Resp:	5115
Ion Ratio	Lower	Upper	
278	100		
139	13.2	9.8	14.8
279	29.8	19.8	29.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/28/2022

Supervised By :Jagrut Upadhyay 11/29/2022



#92

Benzo(g,h,i)perylene

Concen: 7.584 ng

RT: 30.427 min Scan# 4619

Delta R.T. -0.036 min

Lab File: BG055794.D

Acq: 26 Nov 2022 00:10

Tgt Ion:	276	Resp:	175418
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.8	29.6
138	16.0	13.1	19.7

