

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
 Data File : BG055773.D
 Acq On : 24 Nov 2022 3:09
 Operator : CG/JU
 Sample : N5745-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-04-112122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/25/2022
 Supervised By : Jagrut Upadhyay 11/25/2022

Quant Time: Nov 24 06:11:43 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	8.242	152	50668	20.000	ng	0.00
21) Naphthalene-d8	11.068	136	200024	20.000	ng	0.00
39) Acenaphthene-d10	14.863	164	126204	20.000	ng	0.00
64) Phenanthrene-d10	17.607	188	258382	20.000	ng	0.00
76) Chrysene-d12	21.908	240	241851	20.000	ng	0.00
86) Perylene-d12	25.327	264	234379	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.768	112	115292	41.129	ng	0.00
7) Phenol-d6	7.384	99	151090	40.491	ng	0.00
23) Nitrobenzene-d5	9.411	82	96396	25.472	ng	0.00
42) 2,4,6-Tribromophenol	16.350	330	70003	39.391	ng	0.00
45) 2-Fluorobiphenyl	13.488	172	235388	27.942	ng	0.00
79) Terphenyl-d14	20.192	244	344589	28.498	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.924	142	16826	2.141	ng	94
52) Acenaphthene	14.928	154	34878	4.534	ng	97
55) Dibenzofuran	15.257	168	45669	3.848	ng	# 93
58) Fluorene	15.903	166	85997	9.072	ng	98
71) Phenanthrene	17.654	178	804254	57.680	ng	100
72) Anthracene	17.742	178	178642	13.186	ng	98
73) Carbazole	18.001	167	77323	6.349	ng	99
75) Fluoranthene	19.652	202	1059051	62.432	ng	99
78) Pyrene	20.010	202	977504	59.712	ng	97
81) Benzo(a)anthracene	21.884	228	497471	29.864	ng	99
83) Chrysene	21.955	228	487751m	30.757	ng	
87) Indeno(1,2,3-cd)pyrene	29.264	276	133500	6.953	ng	# 92
88) Benzo(b)fluoranthene	24.240	252	458302	30.025	ng	# 90
89) Benzo(k)fluoranthene	24.299	252	219988m	14.458	ng	
90) Benzo(a)pyrene	25.169	252	390309	29.798	ng	# 93
91) Dibenzo(a,h)anthracene	29.311	278	33976	2.165	ng	# 55
92) Benzo(g,h,i)perylene	30.498	276	116022m	7.337	ng	

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

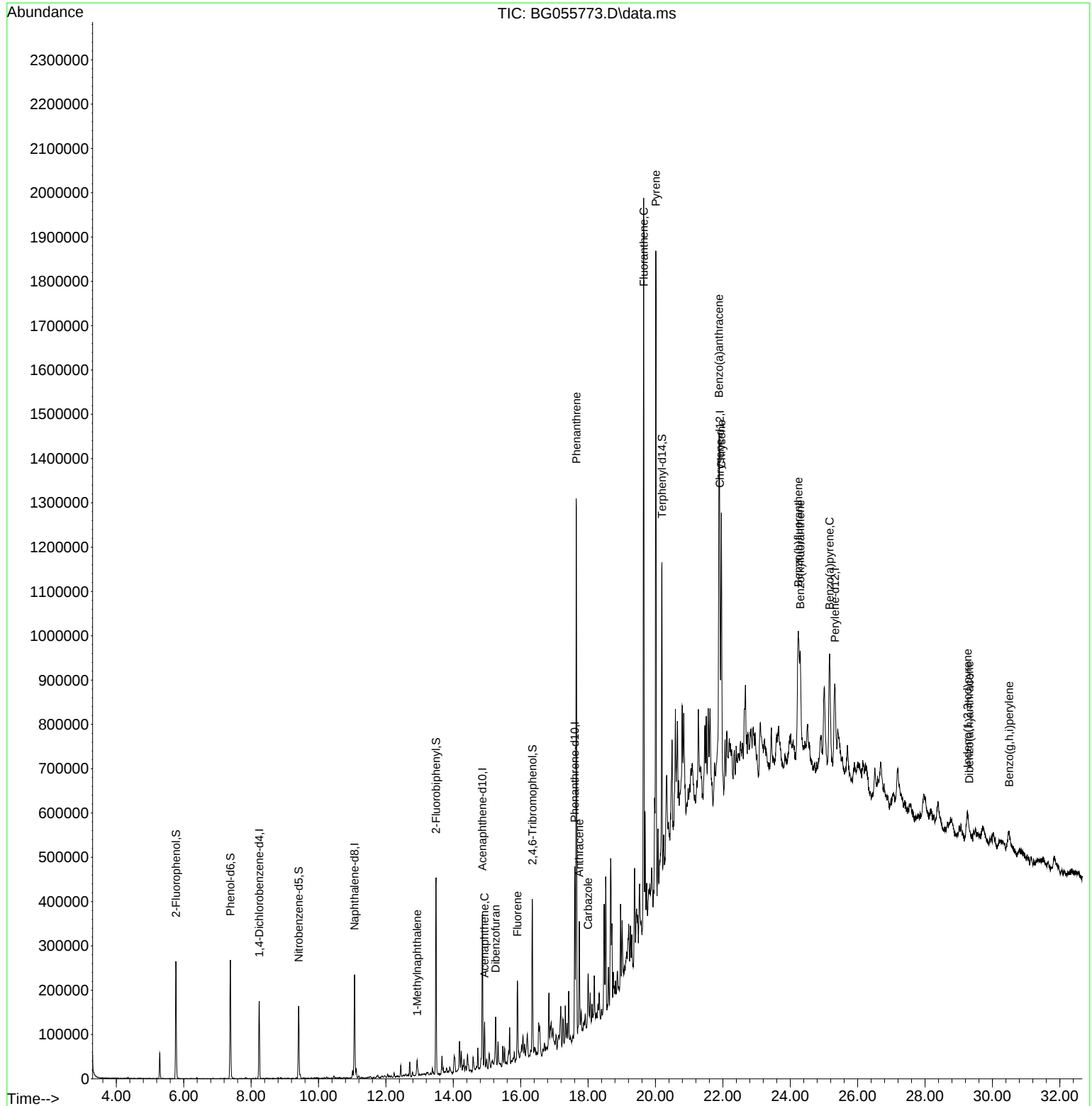
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055773.D
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Instrument :
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PAT-04-112122

Quant Time: Nov 24 06:11:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 06:05:02 2022
Response via : Initial Calibration

Manual Integrations
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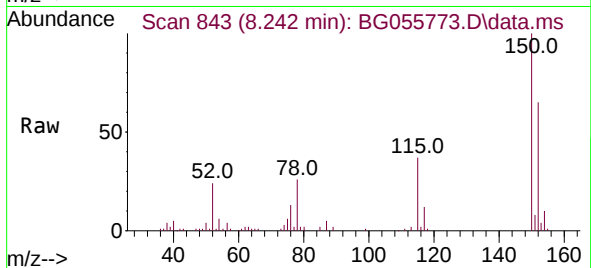
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.242 min Scan# 845
Delta R.T. 0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

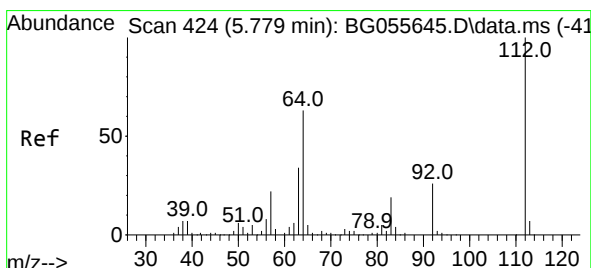
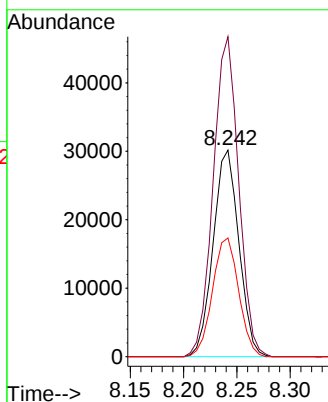
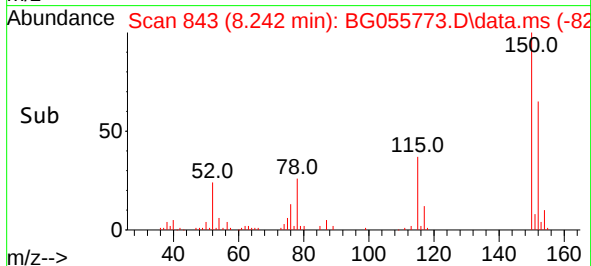
Instrument :
BNA_G
ClientSampleId :
PAT-04-112122



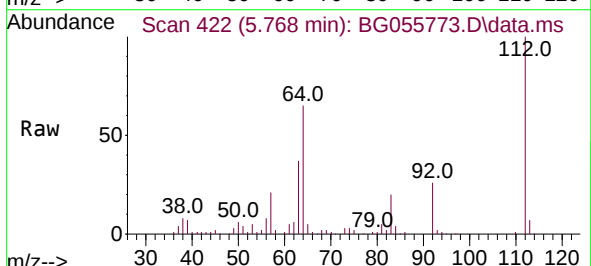
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Ion Ratio Lower Upper
152 100
150 155.0 123.0 184.6
115 57.5 47.0 70.4

Manual Integrations
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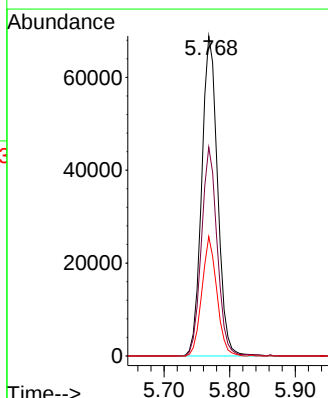
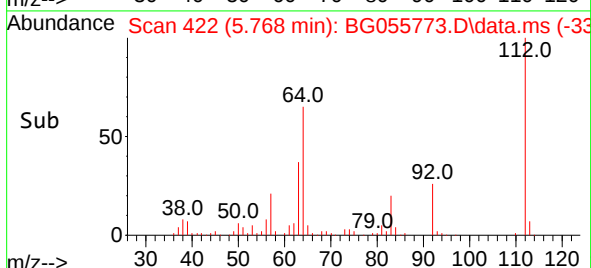
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Supervised By :Jagrut Upadhyay 11/25/2022



#5
2-Fluorophenol
Concen: 41.129 ng
RT: 5.768 min Scan# 422
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09



Tgt Ion:112 Resp: 115292
Ion Ratio Lower Upper
112 100
64 65.2 50.6 76.0
63 37.3 27.5 41.3





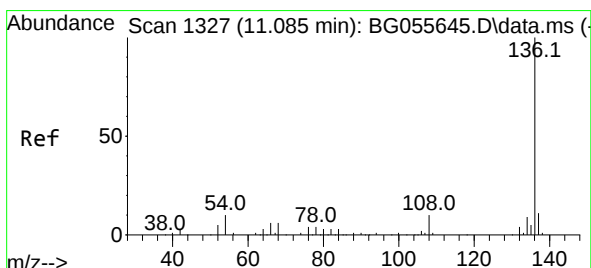
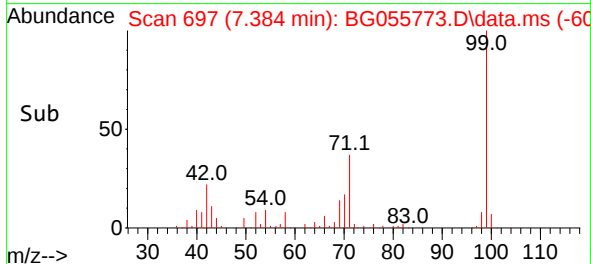
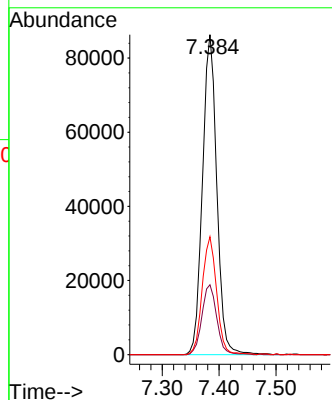
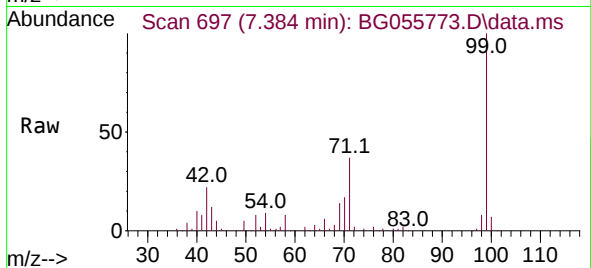
#7
Phenol-d6
Concen: 40.491 ng
RT: 7.384 min Scan# 69
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

Tgt Ion: 99 Resp: 151090
Ion Ratio Lower Upper
99 100
42 21.8 18.0 27.0
71 36.8 29.0 43.6

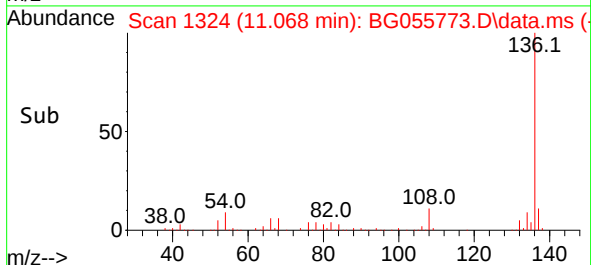
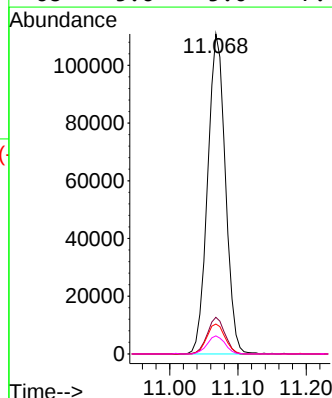
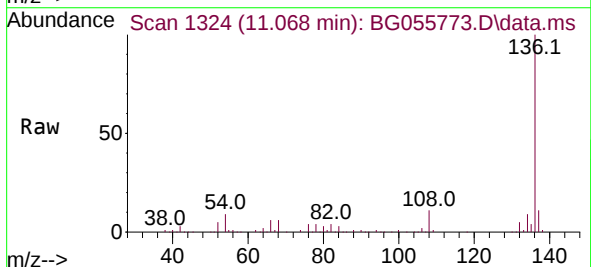
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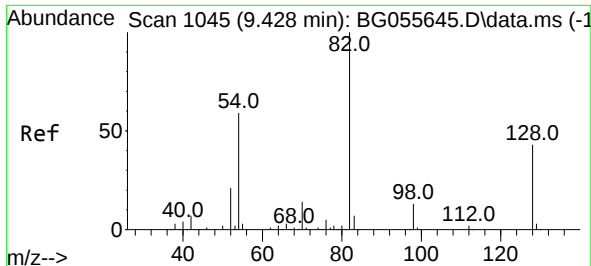
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.068 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:136 Resp: 200024
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.3 7.8 11.6
68 5.6 5.0 7.4





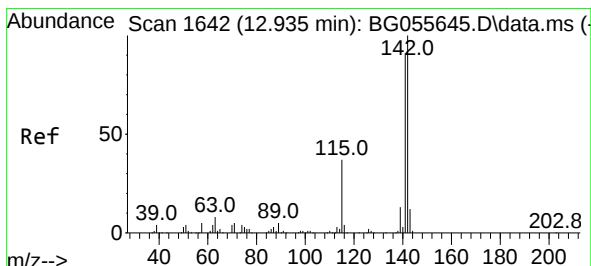
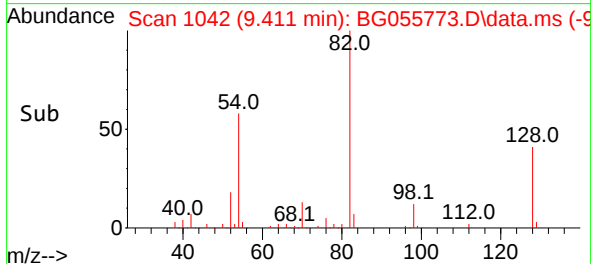
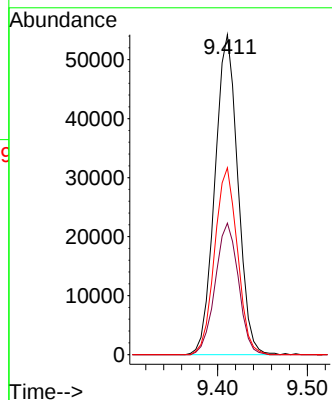
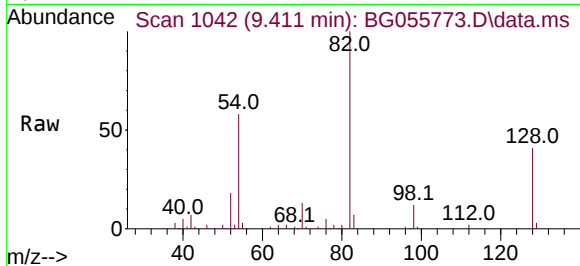
#23
Nitrobenzene-d5
Concen: 25.472 ng
RT: 9.411 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

Tgt Ion: 82 Resp: 96396
Ion Ratio Lower Upper
82 100
128 41.1 34.1 51.1
54 58.4 47.3 70.9

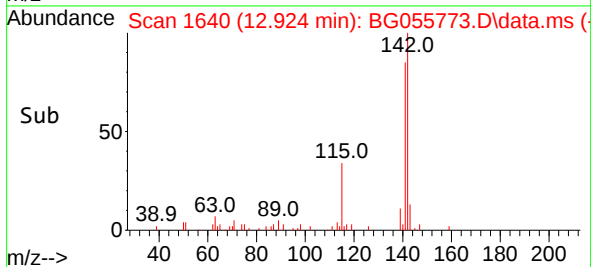
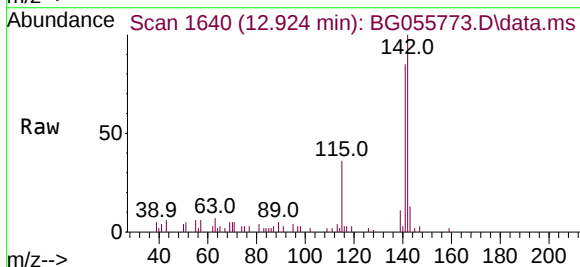
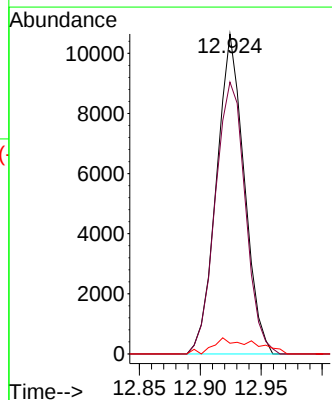
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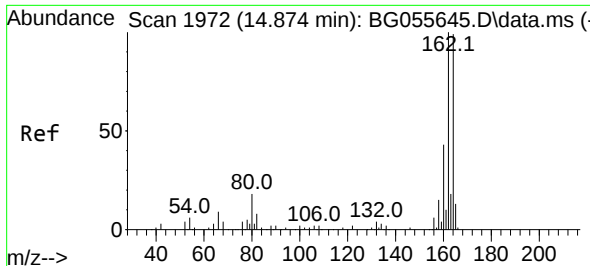
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#38
1-Methylnaphthalene
Concen: 2.141 ng
RT: 12.924 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:142 Resp: 16826
Ion Ratio Lower Upper
142 100
141 84.9 73.0 109.4
116 3.3 3.1 4.7





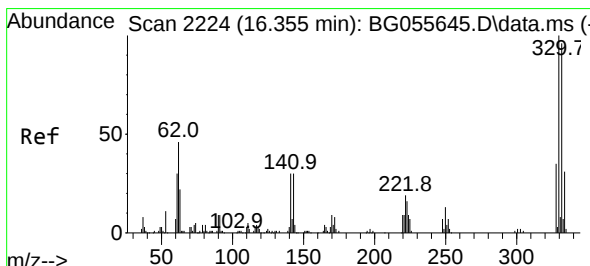
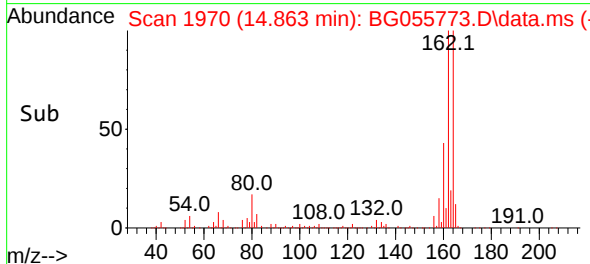
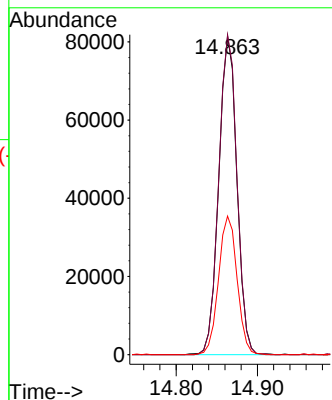
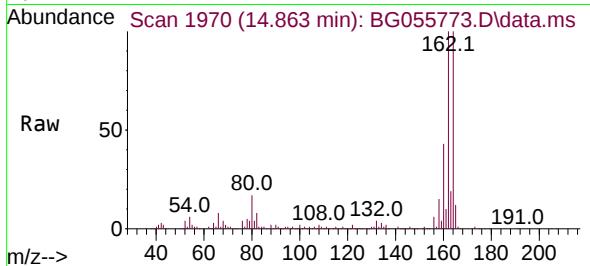
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.863 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

Tgt Ion:164 Resp: 126204
Ion Ratio Lower Upper
164 100
162 100.4 81.1 121.7
160 43.4 34.8 52.2

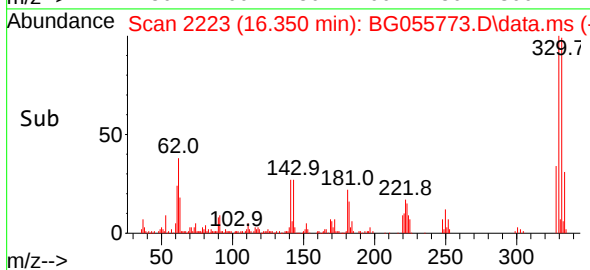
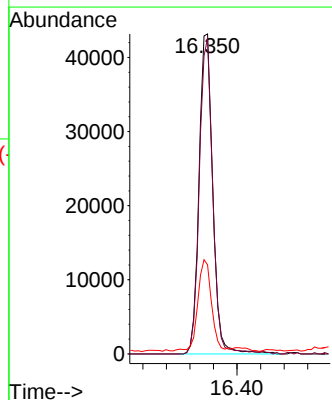
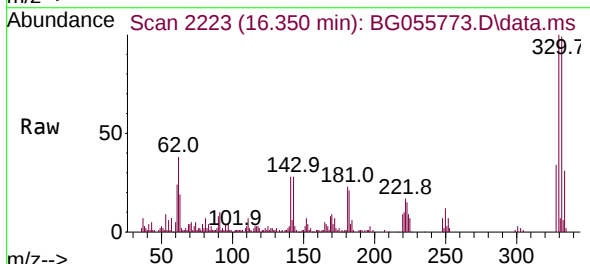
Manual Integrations
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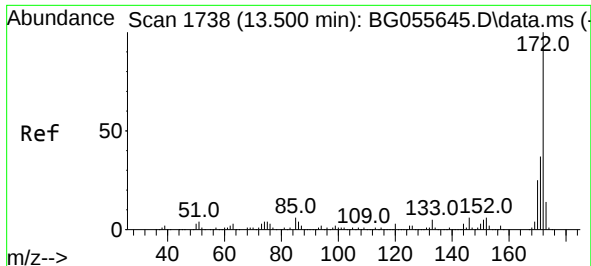
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#42
2,4,6-Tribromophenol
Concen: 39.391 ng
RT: 16.350 min Scan# 2223
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

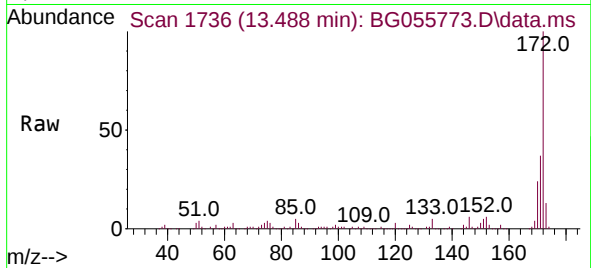
Tgt Ion:330 Resp: 70003
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.8
141 28.1 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 27.942 ng
RT: 13.488 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

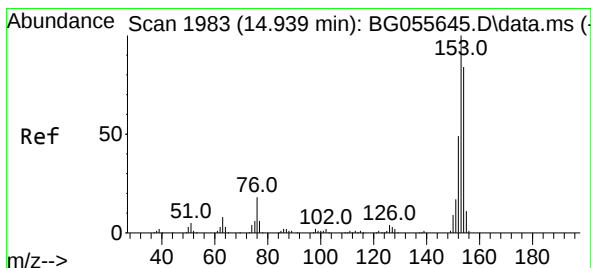
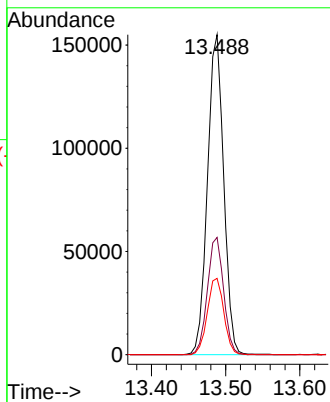
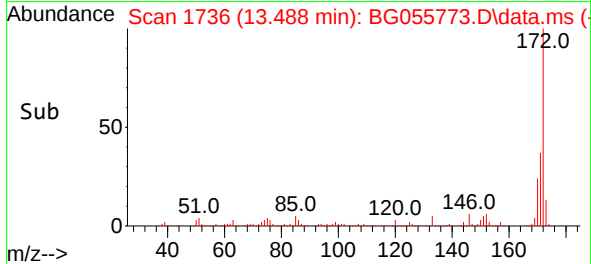
Instrument :
BNA_G
ClientSampleId :
PAT-04-112122



Tgt Ion:172 Resp: 235388
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 23.8 20.2 30.4

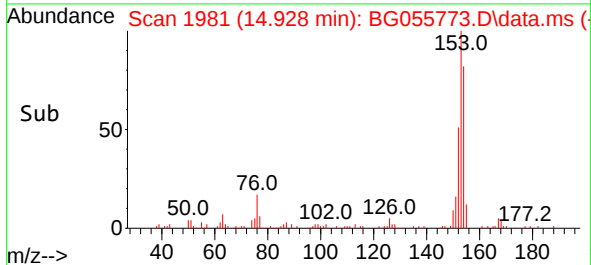
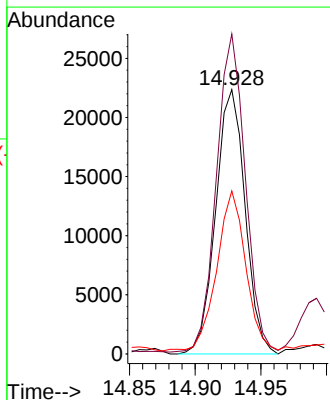
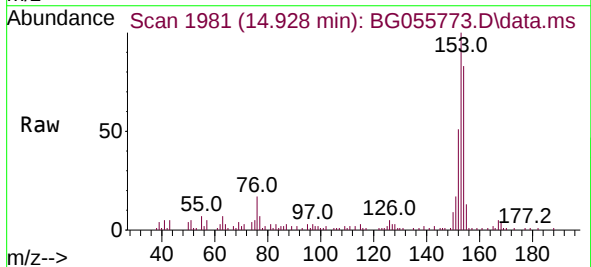
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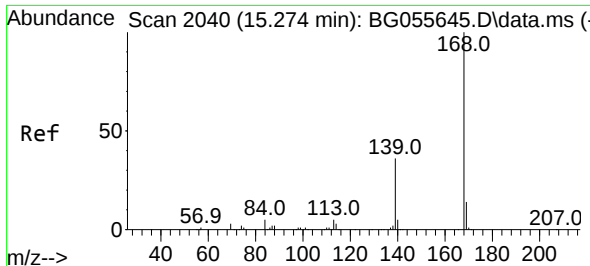
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#52
Acenaphthene
Concen: 4.534 ng
RT: 14.928 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:154 Resp: 34878
Ion Ratio Lower Upper
154 100
153 121.1 95.0 142.4
152 61.7 46.1 69.1





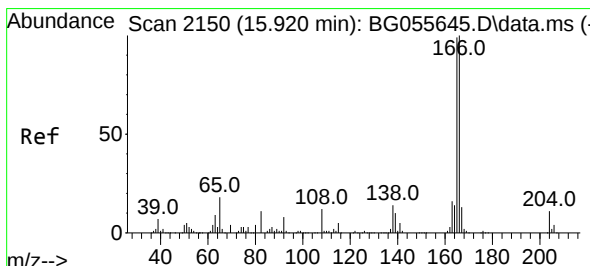
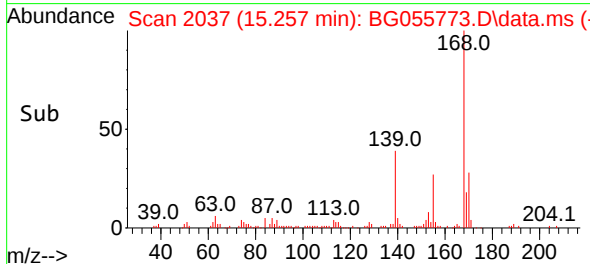
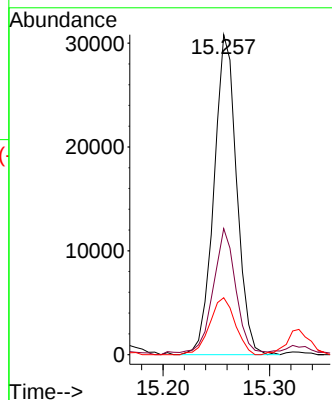
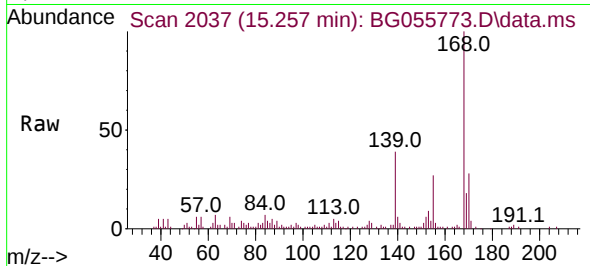
#55
Dibenzofuran
Concen: 3.848 ng
RT: 15.257 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

Tgt Ion:168 Resp: 45669
Ion Ratio Lower Upper
168 100
139 39.4 28.8 43.2
169 17.8 11.0 16.4

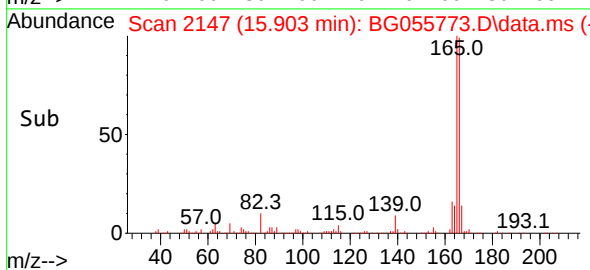
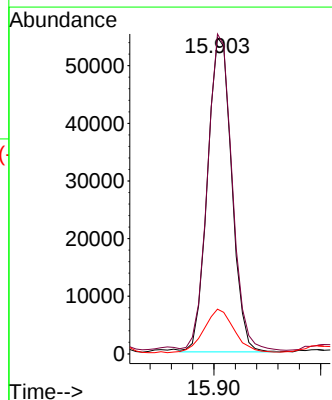
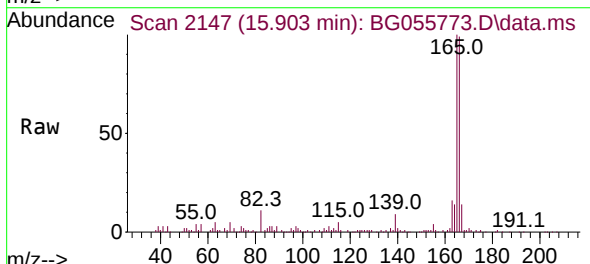
Manual Integrations
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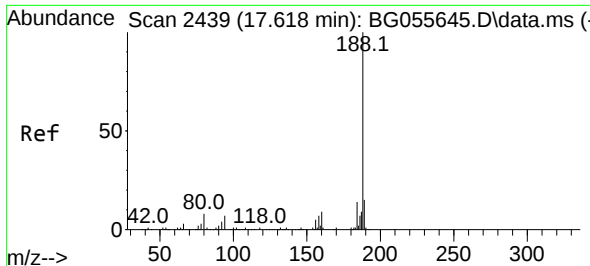
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#58
Fluorene
Concen: 9.072 ng
RT: 15.903 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:166 Resp: 85997
Ion Ratio Lower Upper
166 100
165 101.1 79.3 118.9
167 14.1 10.6 15.8





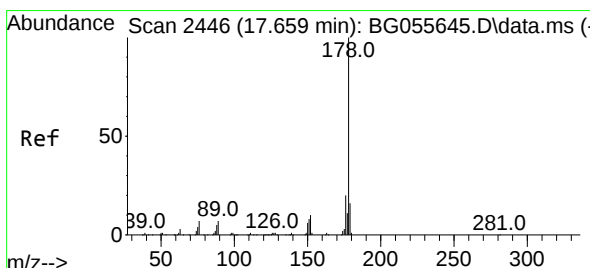
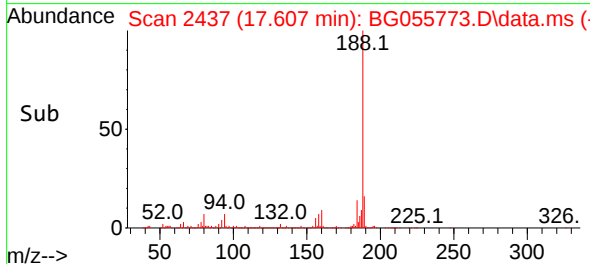
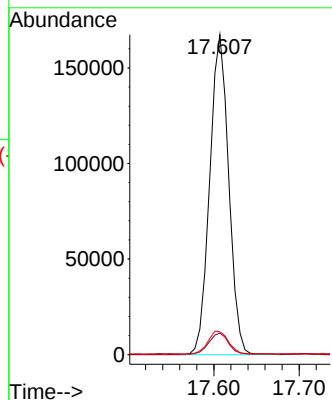
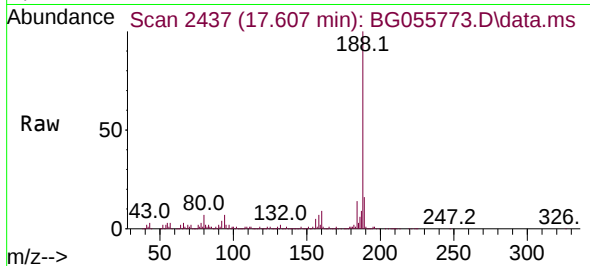
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.607 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

Tgt Ion:188 Resp: 258382
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.2
80 7.1 6.6 10.0

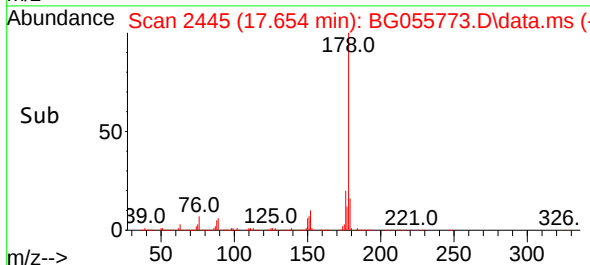
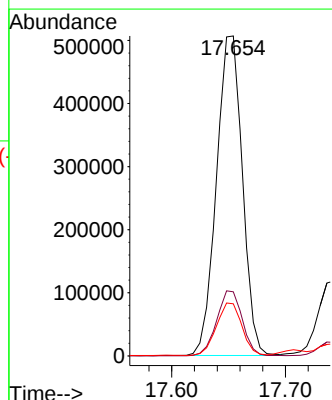
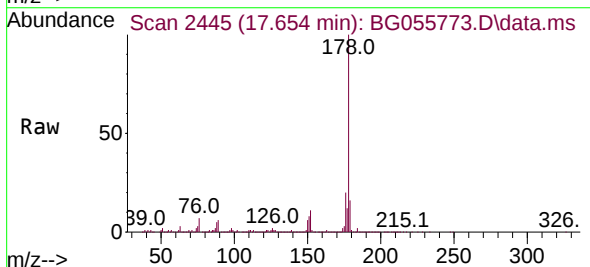
Manual Integrations
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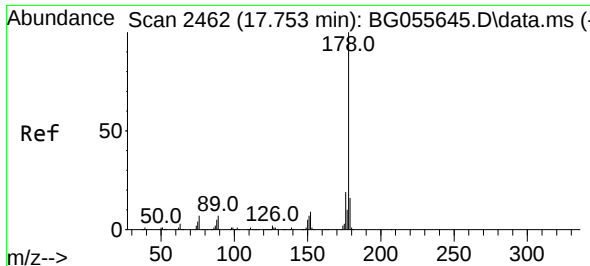
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#71
Phenanthrene
Concen: 57.680 ng
RT: 17.654 min Scan# 2445
Delta R.T. 0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

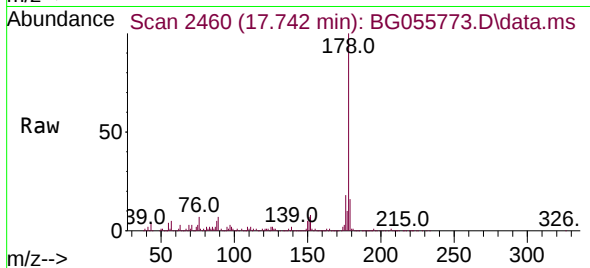
Tgt Ion:178 Resp: 804254
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.3 12.7 19.1





#72
 Anthracene
 Concen: 13.186 ng
 RT: 17.742 min Scan# 2462
 Delta R.T. 0.000 min
 Lab File: BG055773.D
 Acq: 24 Nov 2022 3:09

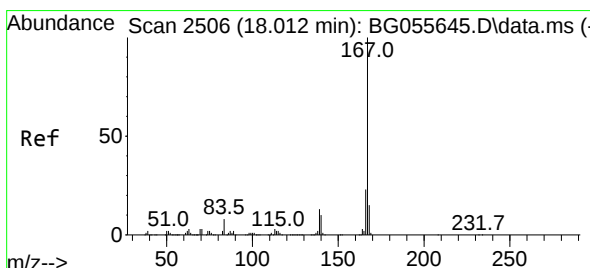
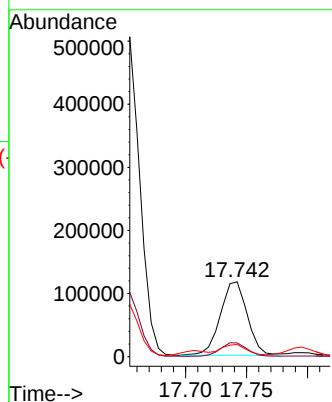
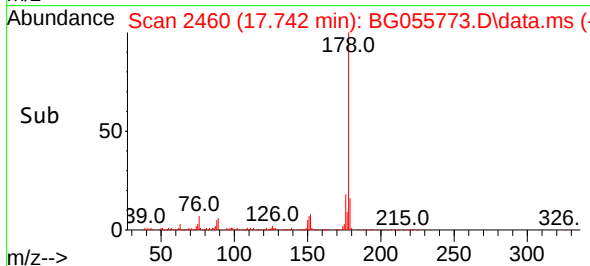
Instrument :
 BNA_G
 ClientSampleId :
 PAT-04-112122



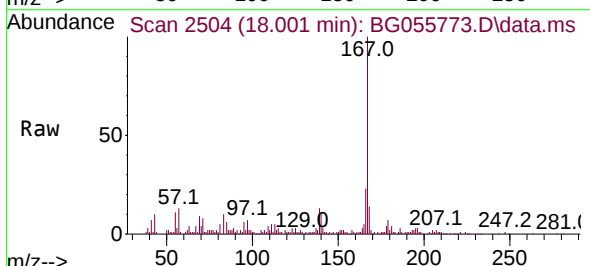
Tgt Ion:178 Resp: 178642
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.5 23.3
 179 16.3 12.5 18.7

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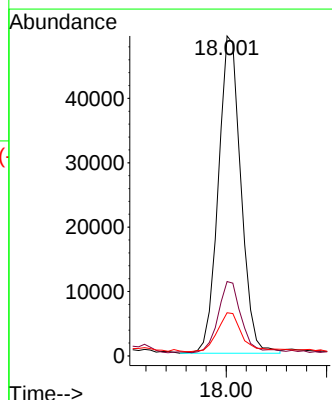
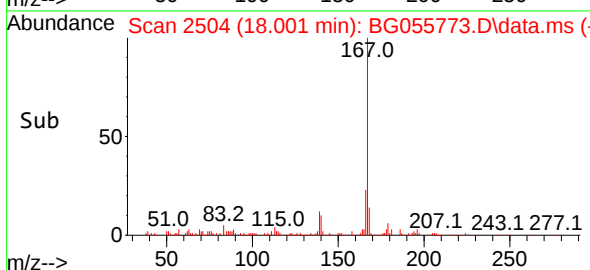
Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022

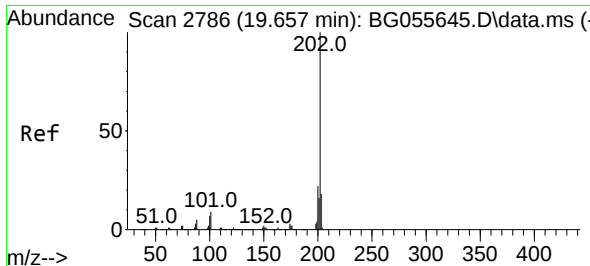


#73
 Carbazole
 Concen: 6.349 ng
 RT: 18.001 min Scan# 2504
 Delta R.T. -0.006 min
 Lab File: BG055773.D
 Acq: 24 Nov 2022 3:09



Tgt Ion:167 Resp: 77323
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.2 27.2
 139 13.5 10.2 15.4





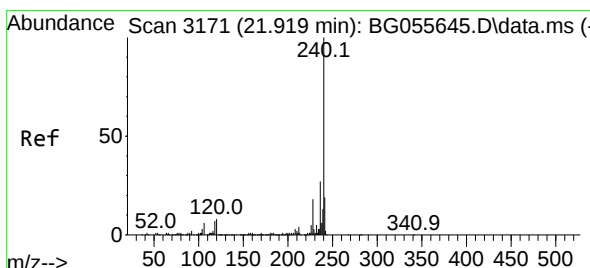
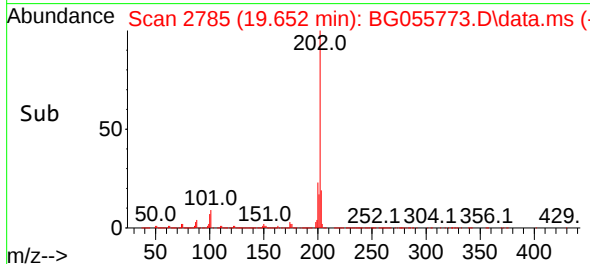
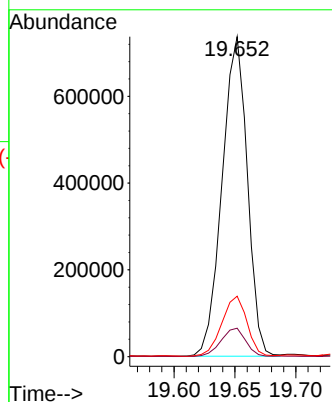
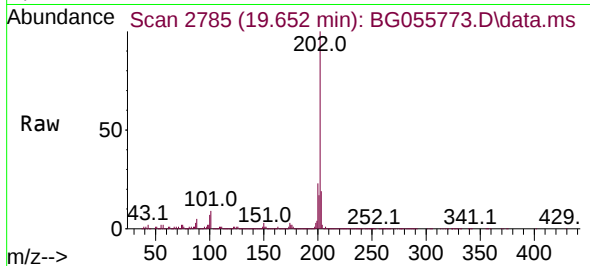
#75
Fluoranthene
Concen: 62.432 ng
RT: 19.652 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

Tgt Ion:202 Resp: 105905
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.8
203 18.9 0.0 38.1

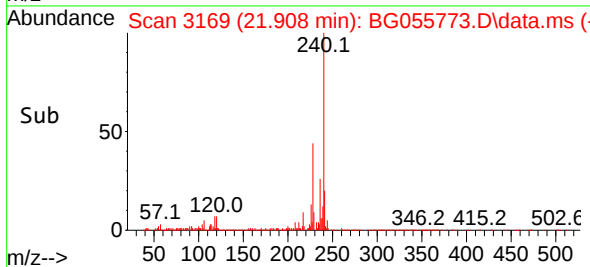
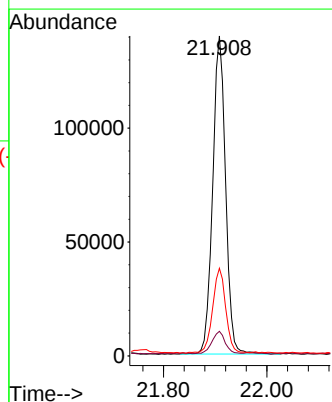
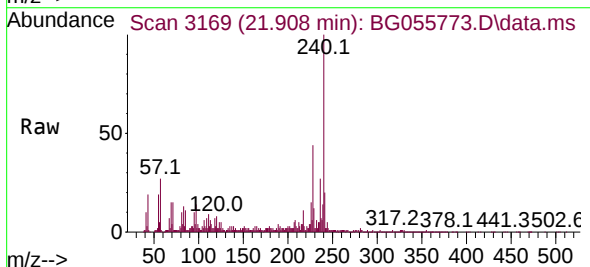
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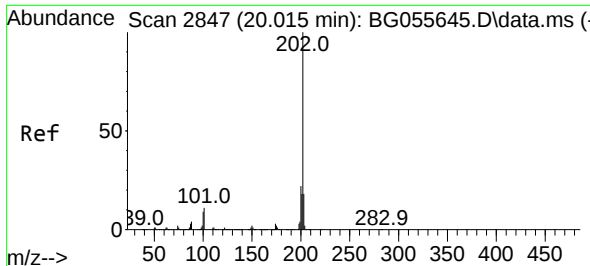
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.908 min Scan# 3169
Delta R.T. 0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Tgt Ion:240 Resp: 241851
Ion Ratio Lower Upper
240 100
120 7.7 6.3 9.5
236 27.4 21.9 32.9





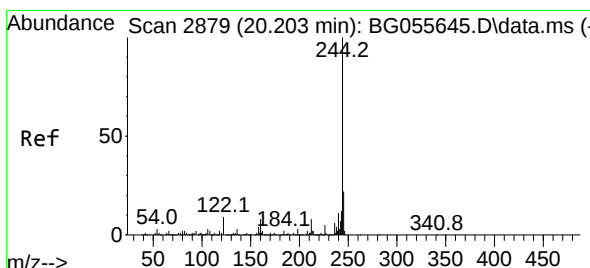
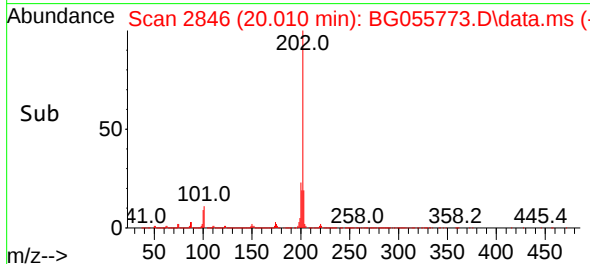
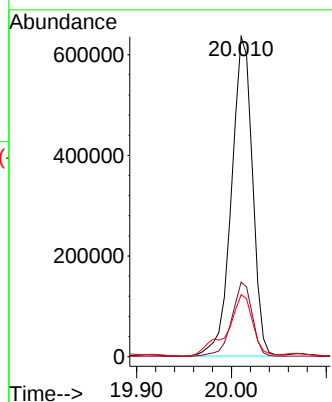
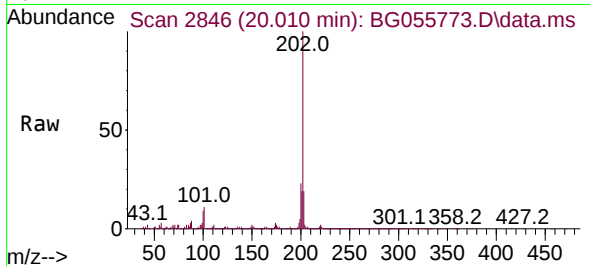
#78
 Pyrene
 Concen: 59.712 ng
 RT: 20.010 min Scan# 2847
 Delta R.T. 0.000 min
 Lab File: BG055773.D
 Acq: 24 Nov 2022 3:09

Instrument :
 BNA_G
 ClientSampleId :
 PAT-04-112122

Tgt Ion:202 Resp: 977504
 Ion Ratio Lower Upper
 202 100
 200 23.3 17.8 26.6
 203 19.4 14.4 21.6

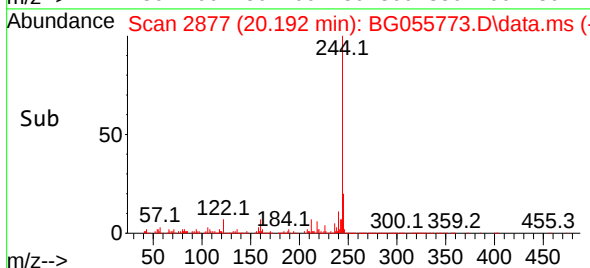
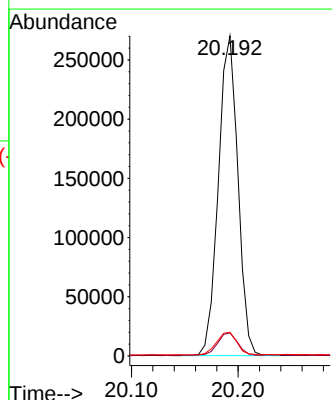
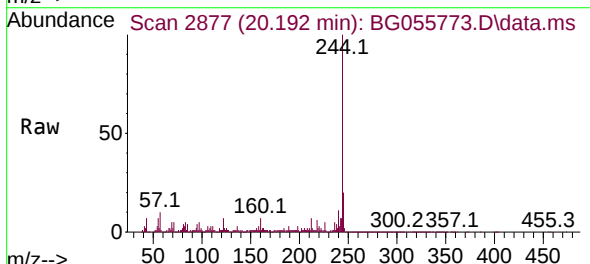
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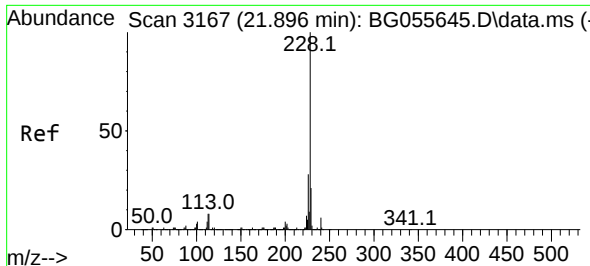
Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022



#79
 Terphenyl-d14
 Concen: 28.498 ng
 RT: 20.192 min Scan# 2877
 Delta R.T. 0.000 min
 Lab File: BG055773.D
 Acq: 24 Nov 2022 3:09

Tgt Ion:244 Resp: 344589
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.3 9.5
 122 7.4 6.9 10.3





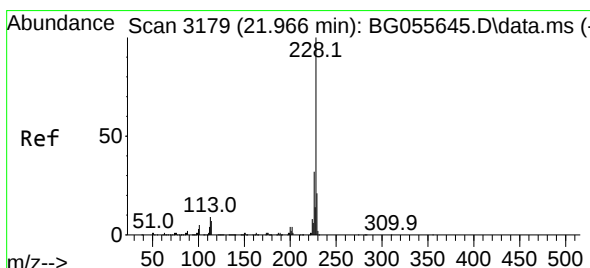
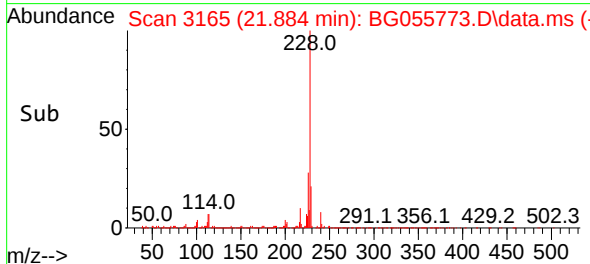
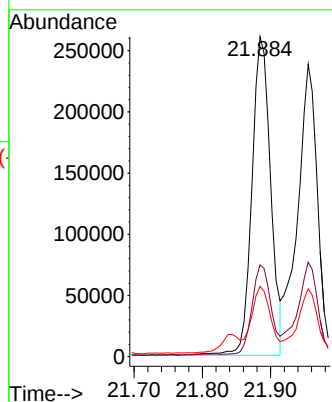
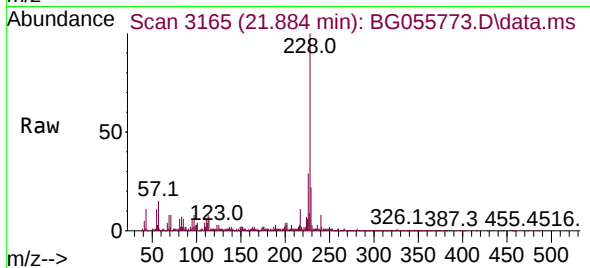
#81
Benzo(a)anthracene
Concen: 29.864 ng
RT: 21.884 min Scan# 3165
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

Tgt Ion:228 Resp: 49747
Ion Ratio Lower Upper
228 100
226 28.7 22.7 34.1
229 21.9 16.5 24.7

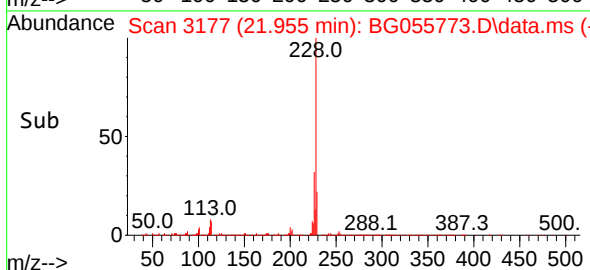
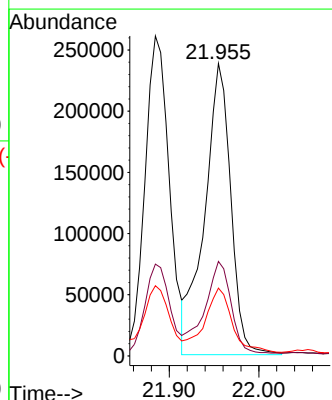
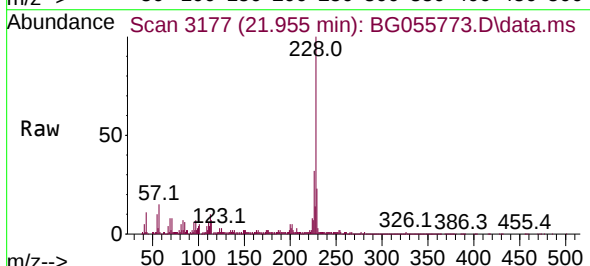
Manual Integrations
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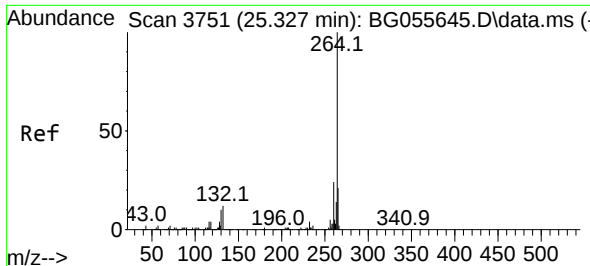
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#83
Chrysene
Concen: 30.757 ng m
RT: 21.955 min Scan# 3177
Delta R.T. 0.000 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

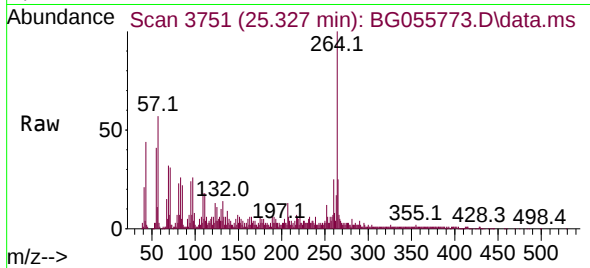
Tgt Ion:228 Resp: 487751
Ion Ratio Lower Upper
228 100
226 32.3 25.4 38.2
229 23.2 17.1 25.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.327 min Scan# 3751
 Delta R.T. 0.024 min
 Lab File: BG055773.D
 Acq: 24 Nov 2022 3:09

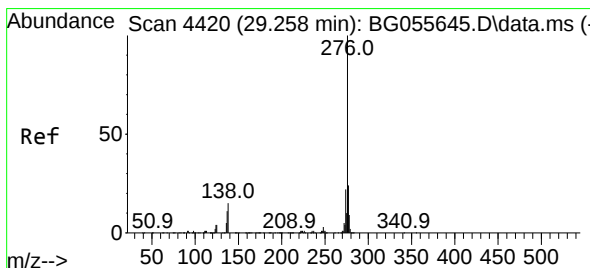
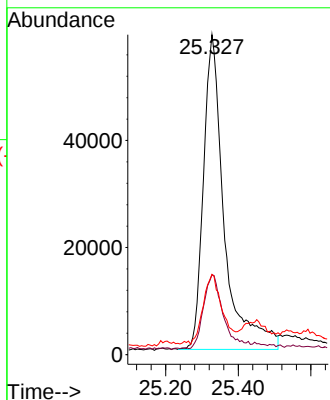
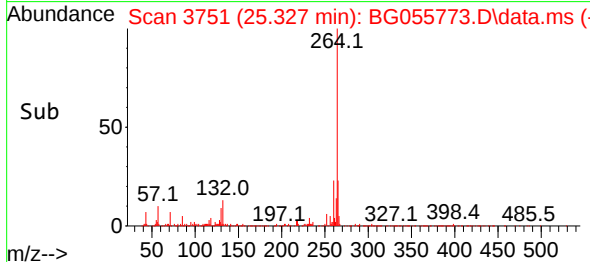
Instrument :
 BNA_G
 ClientSampleId :
 PAT-04-112122



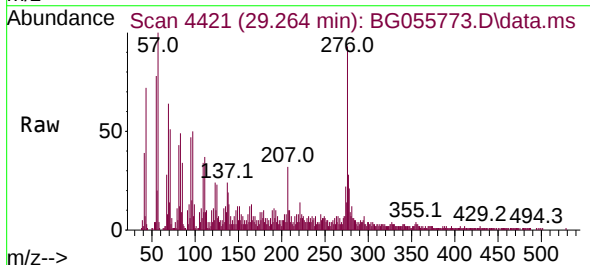
Tgt Ion:264 Resp: 234379
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.5 29.3
 265 25.1 17.1 25.7

Manual Integrations
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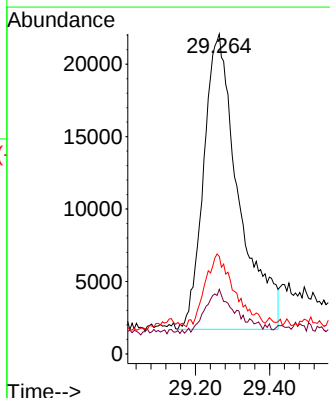
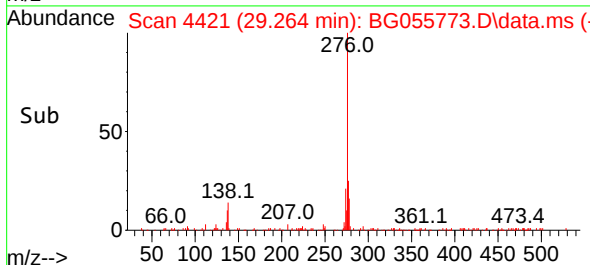
Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022

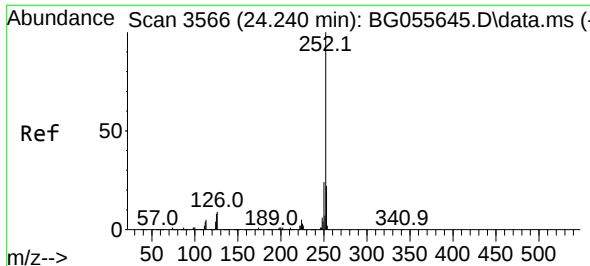


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.953 ng
 RT: 29.264 min Scan# 4421
 Delta R.T. 0.030 min
 Lab File: BG055773.D
 Acq: 24 Nov 2022 3:09



Tgt Ion:276 Resp: 133500
 Ion Ratio Lower Upper
 276 100
 138 11.5 10.4 15.6
 277 19.9 20.2 30.4#





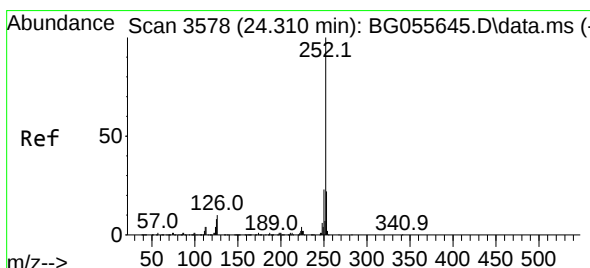
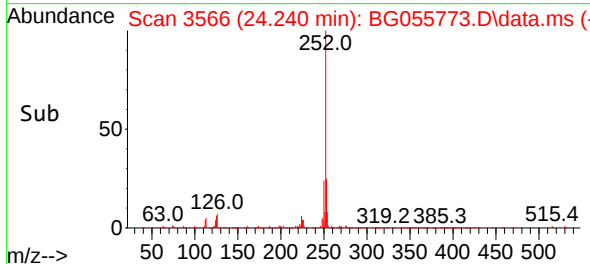
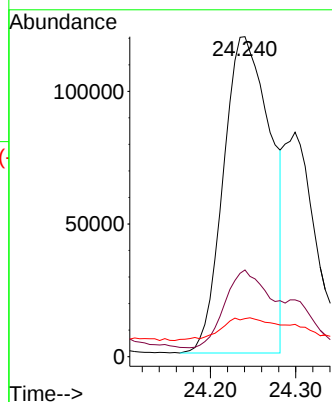
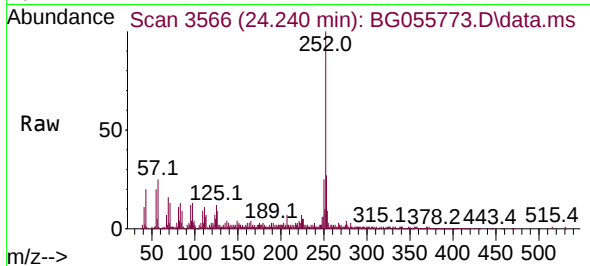
#88
Benzo(b)fluoranthene
Concen: 30.025 ng
RT: 24.240 min Scan# 3566
Delta R.T. 0.024 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Instrument :
BNA_G
ClientSampleId :
PAT-04-112122

Tgt Ion:252 Resp: 458302
Ion Ratio Lower Upper
252 100
253 27.1 18.0 27.0
125 11.9 6.2 9.2

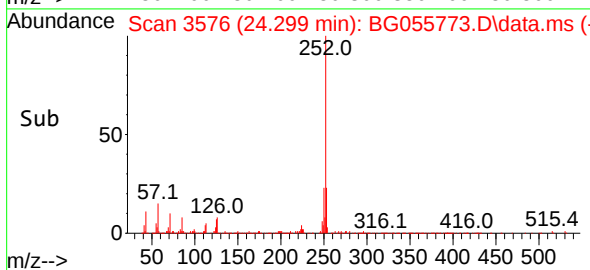
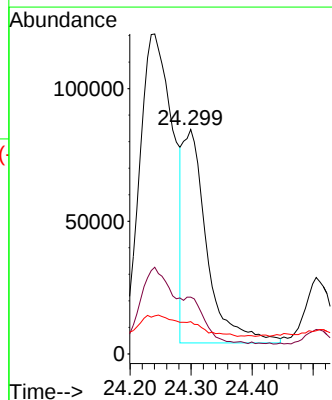
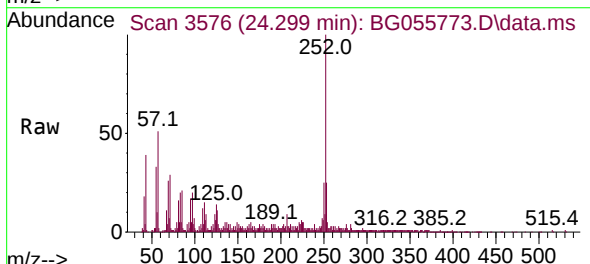
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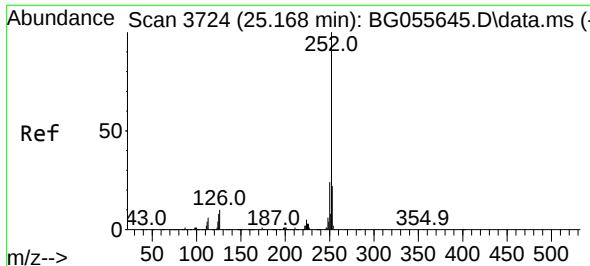
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#89
Benzo(k)fluoranthene
Concen: 14.458 ng m
RT: 24.299 min Scan# 3576
Delta R.T. 0.006 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

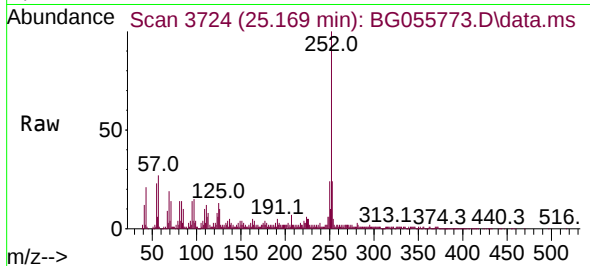
Tgt Ion:252 Resp: 219988
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 14.3 6.1 9.1





#90
Benzo(a)pyrene
Concen: 29.798 ng
RT: 25.169 min Scan# 31
Delta R.T. 0.024 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

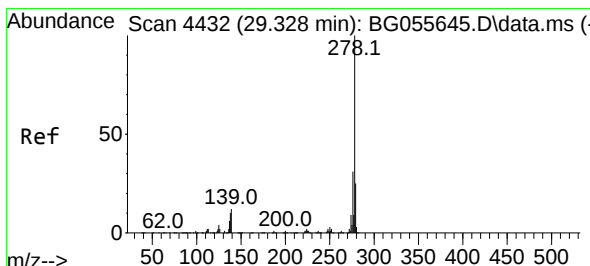
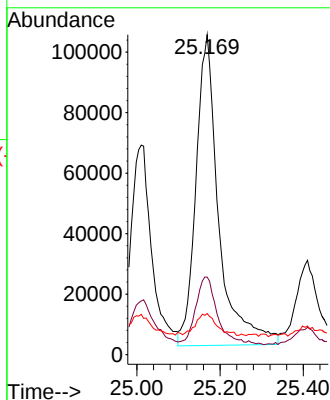
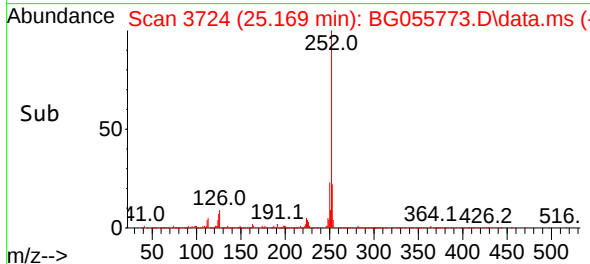
Instrument :
BNA_G
ClientSampleId :
PAT-04-112122



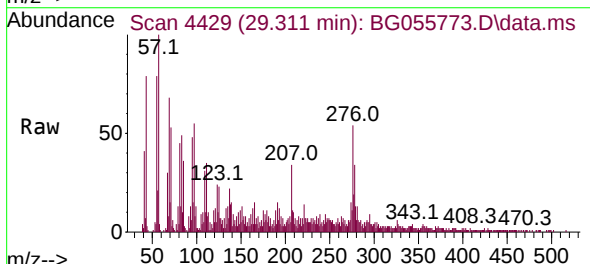
Tgt Ion:252 Resp: 390309
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 12.8 6.4 9.6

Manual Integrations
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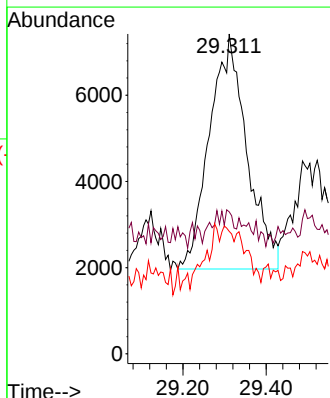
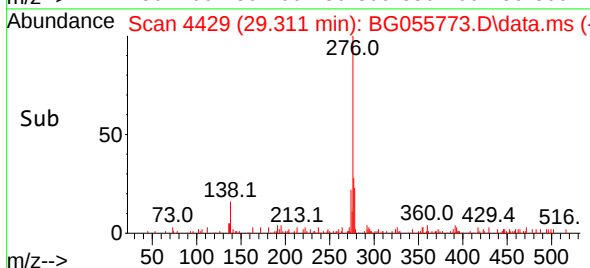
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

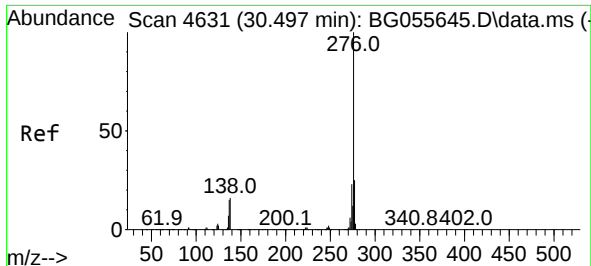


#91
Dibenzo(a,h)anthracene
Concen: 2.165 ng
RT: 29.311 min Scan# 4429
Delta R.T. 0.012 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09



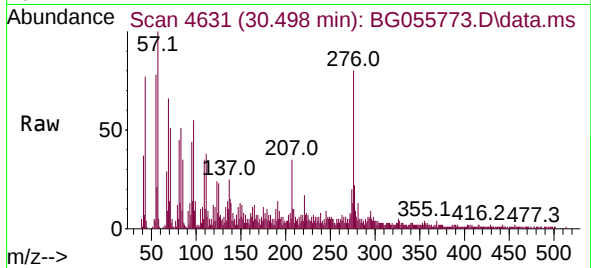
Tgt Ion:278 Resp: 33976
Ion Ratio Lower Upper
278 100
139 44.4 9.8 14.8#
279 38.3 19.8 29.6#





#92
Benzo(g,h,i)perylene
Concen: 7.337 ng m
RT: 30.498 min Scan# 4631
Delta R.T. 0.035 min
Lab File: BG055773.D
Acq: 24 Nov 2022 3:09

Instrument :
BNA_G
ClientSampleId :
PAT-04-112122



Tgt Ion:	276	Resp:	116022
Ion Ratio	Lower	Upper	
276	100		
277	27.9	19.8	29.6
138	19.2	13.1	19.7

Manual Integrations
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Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

