

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
 Data File : BG055769.D
 Acq On : 24 Nov 2022 00:25
 Operator : CG/JU
 Sample : N5745-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-112122

Manual Integrations
 APPROVED

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

Quant Time: Nov 24 06:10:40 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	8.237	152	42825	20.000	ng	0.00
21) Naphthalene-d8	11.063	136	175682	20.000	ng	0.00
39) Acenaphthene-d10	14.864	164	112460	20.000	ng	0.00
64) Phenanthrene-d10	17.608	188	237501	20.000	ng	0.00
76) Chrysene-d12	21.915	240	214359	20.000	ng	0.01
86) Perylene-d12	25.328	264	237962	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.769	112	209795	88.548	ng	0.00
7) Phenol-d6	7.385	99	265050	84.039	ng	0.00
23) Nitrobenzene-d5	9.406	82	168726	50.762	ng	0.00
42) 2,4,6-Tribromophenol	16.345	330	121646	76.817	ng	0.00
45) 2-Fluorobiphenyl	13.484	172	411946	54.877	ng	0.00
79) Terphenyl-d14	20.193	244	598581	55.852	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.116	128	64140	6.754	ng	99
37) 2-Methylnaphthalene	12.702	142	39768	5.593	ng	99
38) 1-Methylnaphthalene	12.919	142	42900	6.215	ng	98
49) Acenaphthylene	14.588	152	70570	6.728	ng	# 95
52) Acenaphthene	14.923	154	177240	25.854	ng	99
55) Dibenzofuran	15.258	168	174138	16.466	ng	98
58) Fluorene	15.904	166	301025	35.638	ng	97
71) Phenanthrene	17.655	178	2003091	156.289	ng	96
72) Anthracene	17.743	178	696100	55.899	ng	99
73) Carbazole	18.002	167	191295	17.088	ng	99
75) Fluoranthene	19.659	202	3349891	214.843	ng	90
78) Pyrene	20.023	202	3115099	214.693	ng	# 89
81) Benzo(a)anthracene	21.891	228	2049624	138.824	ng	95
83) Chrysene	21.968	228	1857153	132.131	ng	94
87) Indeno(1,2,3-cd)pyrene	29.271	276	984721	50.513	ng	94
88) Benzo(b)fluoranthene	24.259	252	2584246	166.754	ng	96
89) Benzo(k)fluoranthene	24.312	252	1028735m	66.594	ng	
90) Benzo(a)pyrene	25.187	252	2047921	153.994	ng	95
91) Dibenzo(a,h)anthracene	29.312	278	239508m	15.035	ng	
92) Benzo(g,h,i)perylene	30.511	276	875552	54.531	ng	99

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

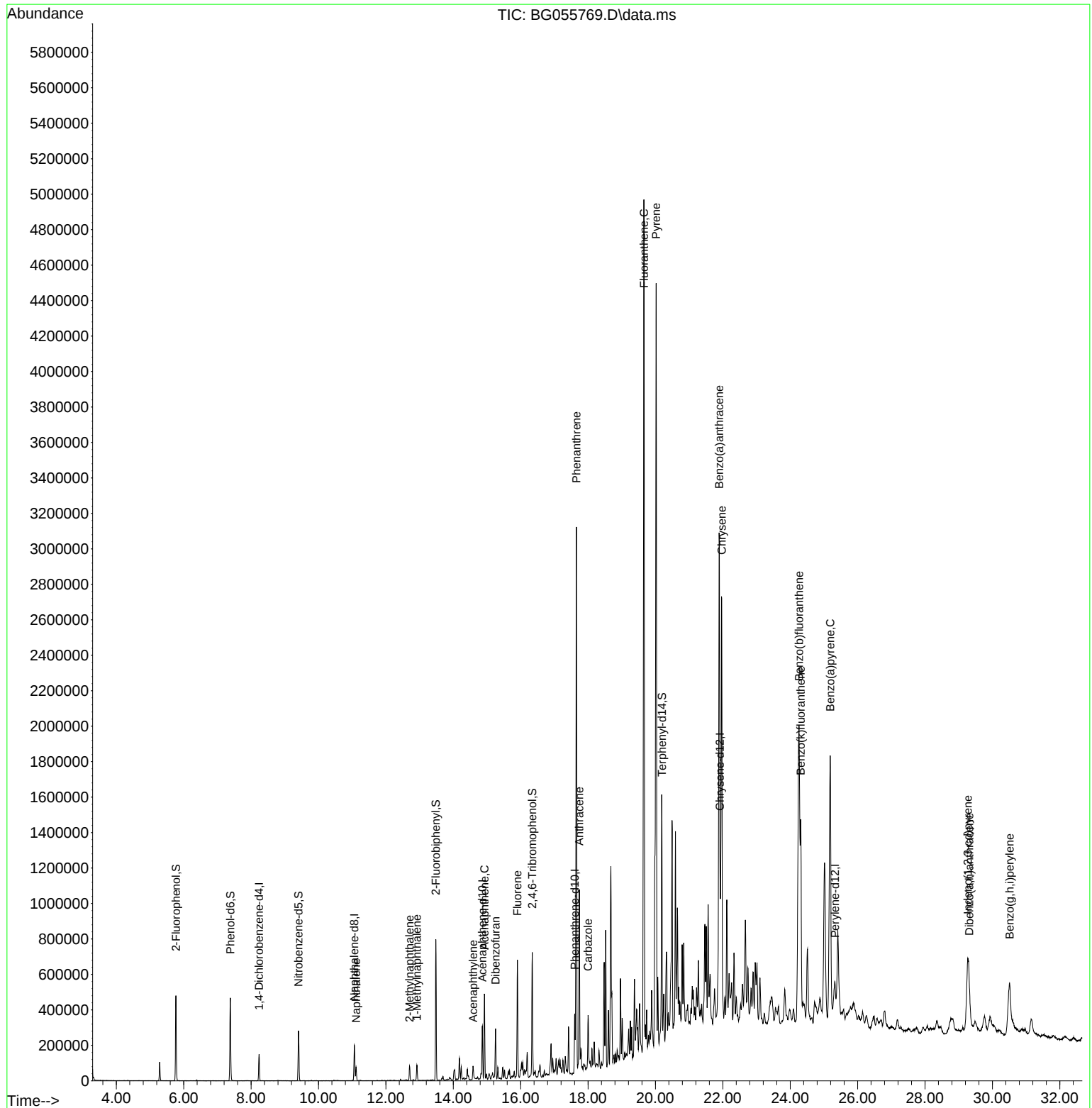
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

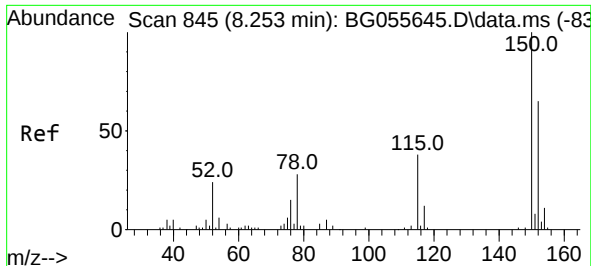
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Quant Time: Nov 24 06:10:40 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

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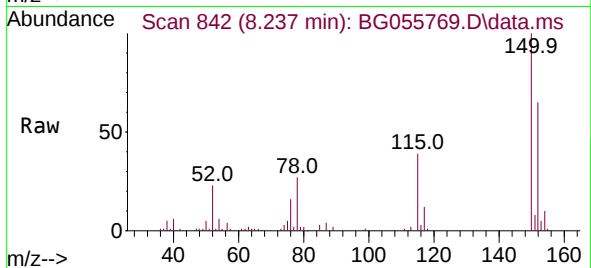
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.237 min Scan# 845
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

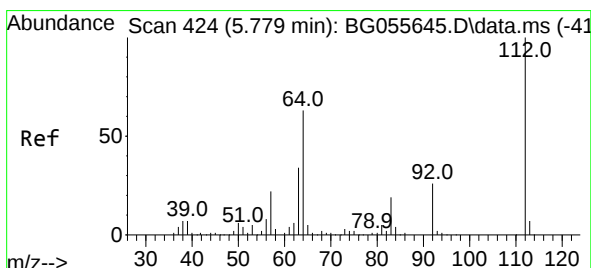
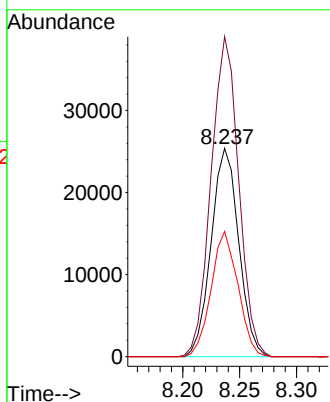
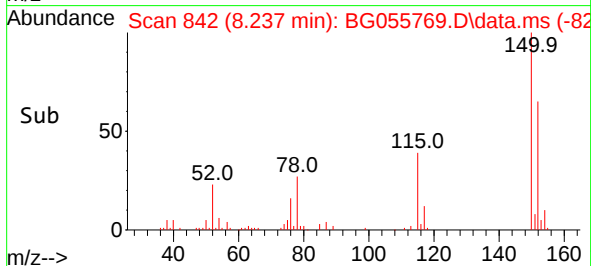
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122



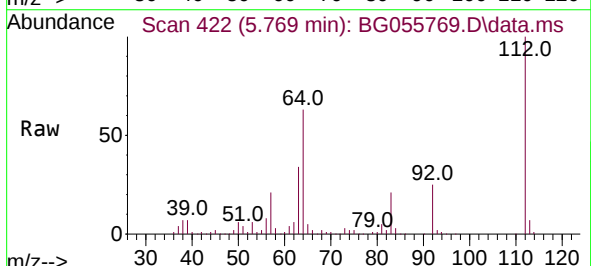
Tgt Ion:152 Resp: 42825
Ion Ratio Lower Upper
152 100
150 153.7 123.0 184.6
115 60.2 47.0 70.4

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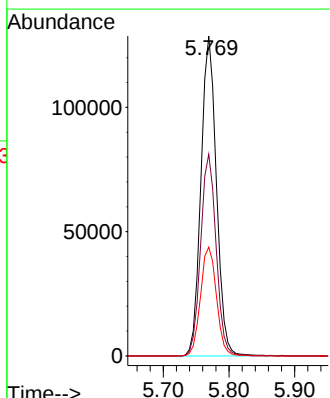
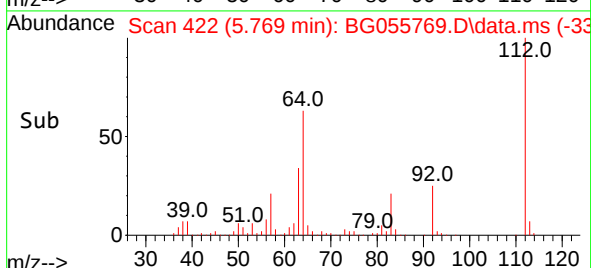
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

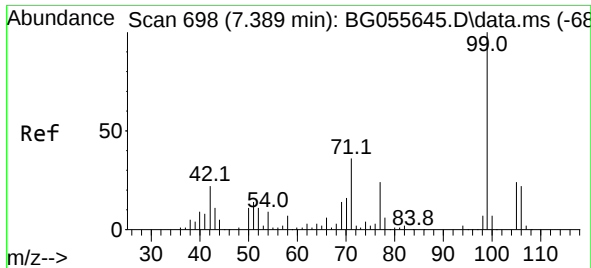


#5
2-Fluorophenol
Concen: 88.548 ng
RT: 5.769 min Scan# 422
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25



Tgt Ion:112 Resp: 209795
Ion Ratio Lower Upper
112 100
64 63.1 50.6 76.0
63 34.0 27.5 41.3





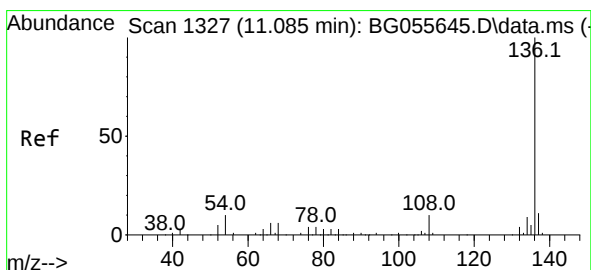
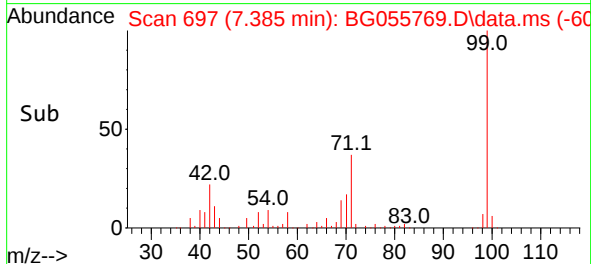
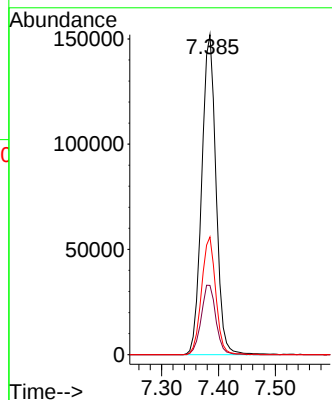
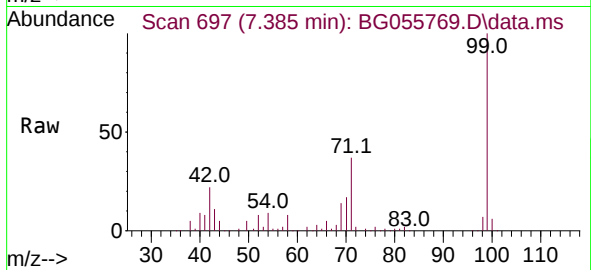
#7
Phenol-d6
Concen: 84.039 ng
RT: 7.385 min Scan# 69
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Tgt Ion: 99 Resp: 265050
Ion Ratio Lower Upper
99 100
42 21.6 18.0 27.0
71 36.8 29.0 43.6

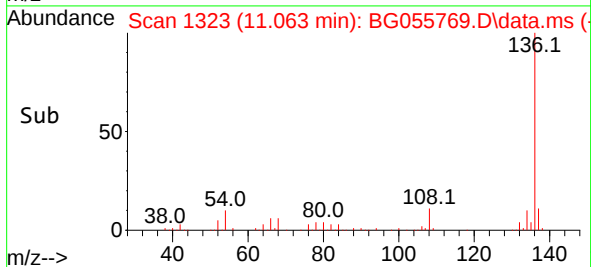
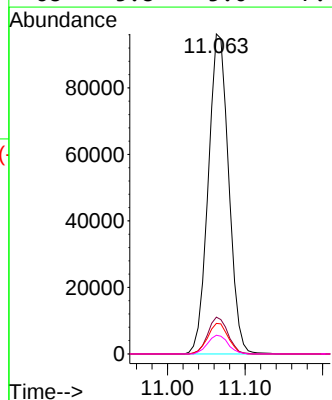
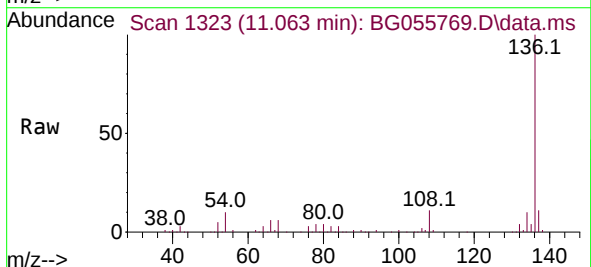
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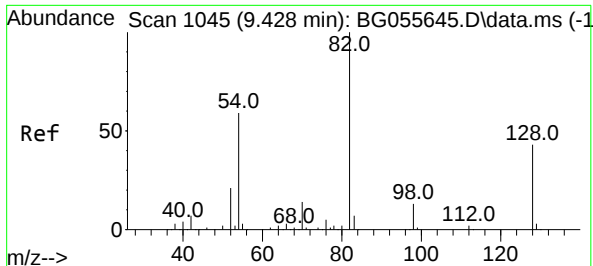
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.063 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:136 Resp: 175682
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.5 7.8 11.6
68 5.8 5.0 7.4





#23
Nitrobenzene-d5
Concen: 50.762 ng
RT: 9.406 min Scan# 1045
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Instrument :

BNA_G

ClientSampleId :

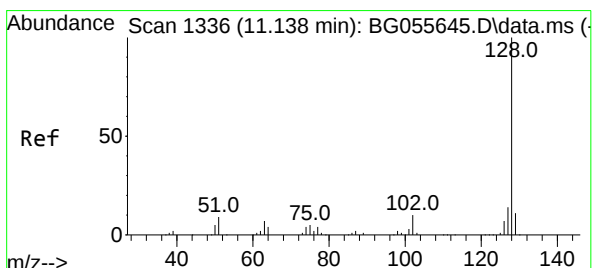
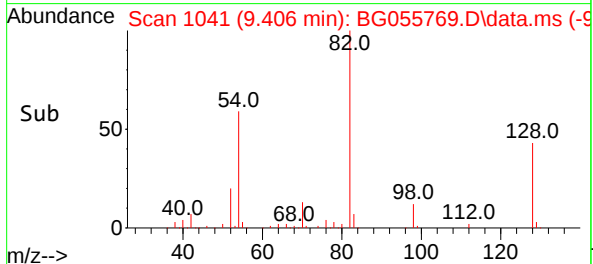
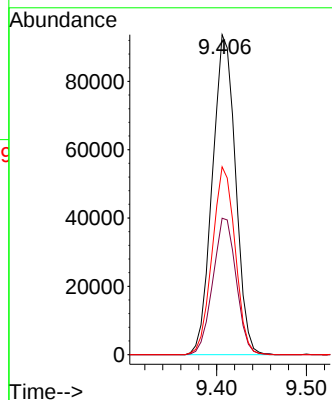
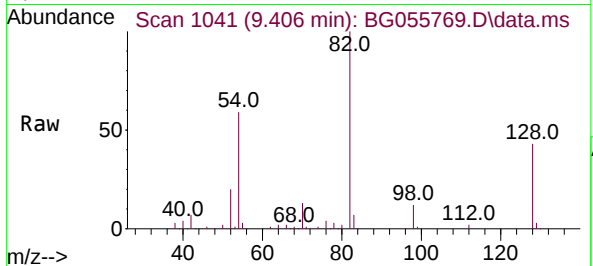
PAT-01-112122

Tgt Ion: 82 Resp: 168726
Ion Ratio Lower Upper
82 100
128 42.6 34.1 51.1
54 58.7 47.3 70.9

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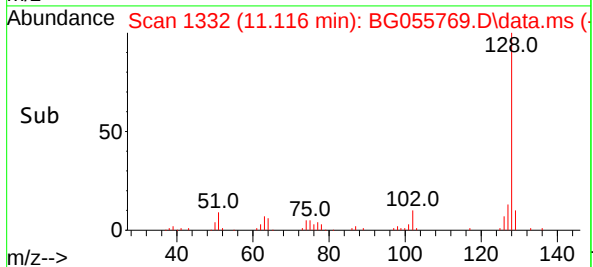
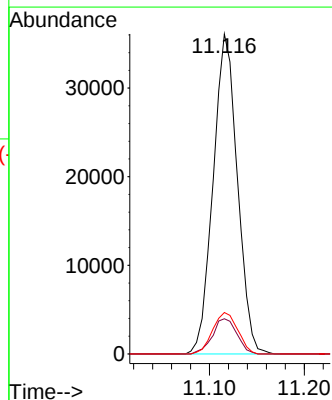
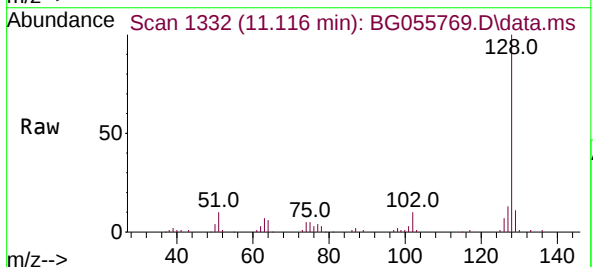
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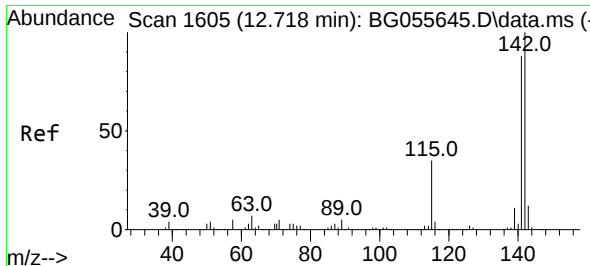
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#31
Naphthalene
Concen: 6.754 ng
RT: 11.116 min Scan# 1332
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:128 Resp: 64140
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.9 16.3





#37

2-Methylnaphthalene

Concen: 5.593 ng

RT: 12.702 min Scan# 1602

Delta R.T. -0.005 min

Lab File: BG055769.D

Acq: 24 Nov 2022 00:25

Instrument :

BNA_G

ClientSampleId :

PAT-01-112122

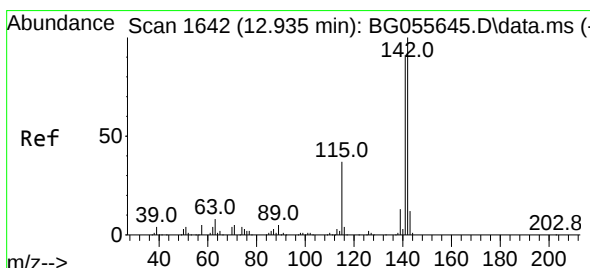
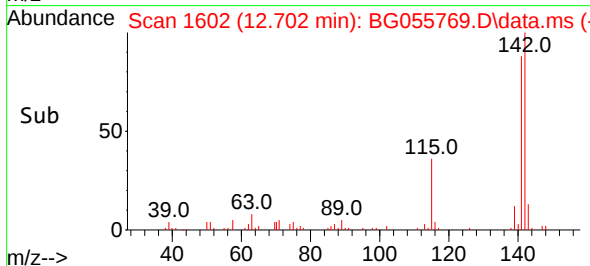
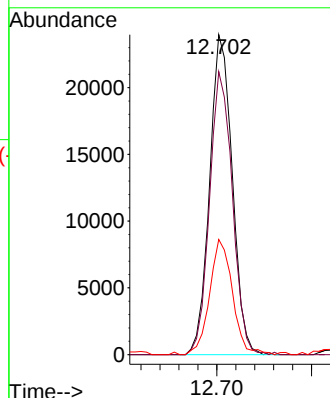
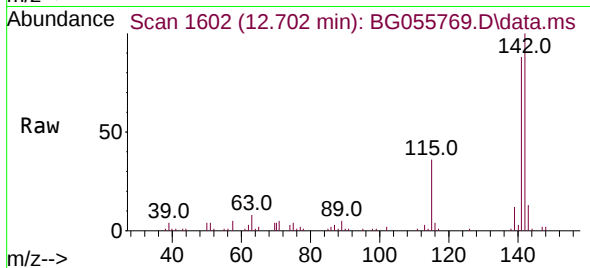
Tgt Ion:142	Resp:	39768
Ion Ratio	Lower	Upper
142	100	
141	88.4	70.3 105.5
115	36.0	27.9 41.9

Manual Integrations

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Reviewed By :Christian Giraldo 11/25/2022

Supervised By :Jagrut Upadhyay 11/25/2022



#38

1-Methylnaphthalene

Concen: 6.215 ng

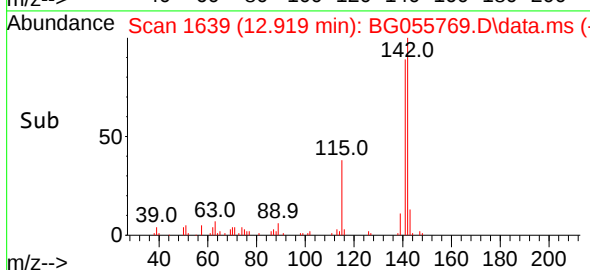
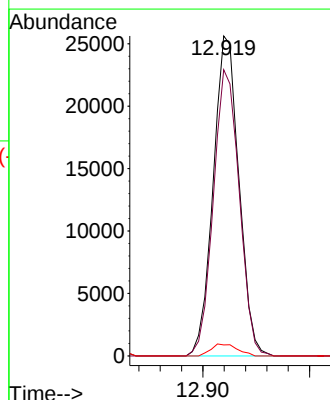
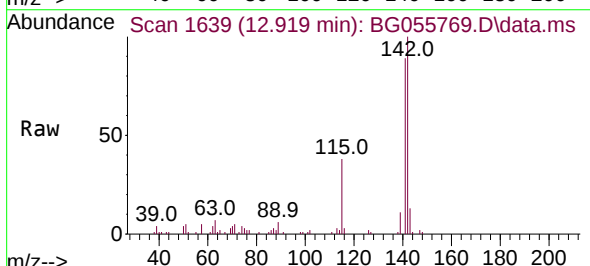
RT: 12.919 min Scan# 1639

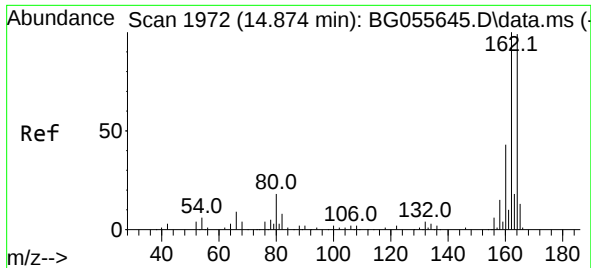
Delta R.T. -0.005 min

Lab File: BG055769.D

Acq: 24 Nov 2022 00:25

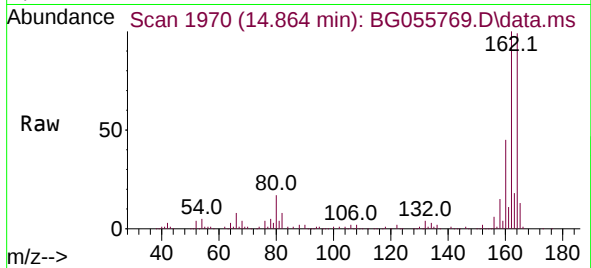
Tgt Ion:142	Resp:	42900
Ion Ratio	Lower	Upper
142	100	
141	89.4	73.0 109.4
116	3.4	3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.864 min Scan# 1972
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

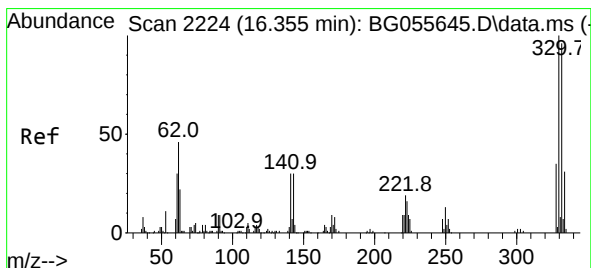
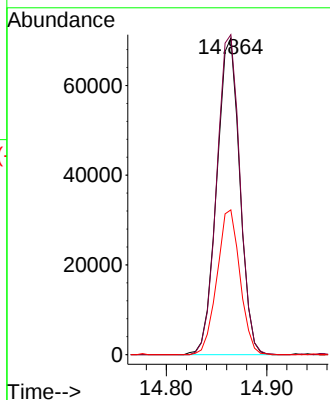
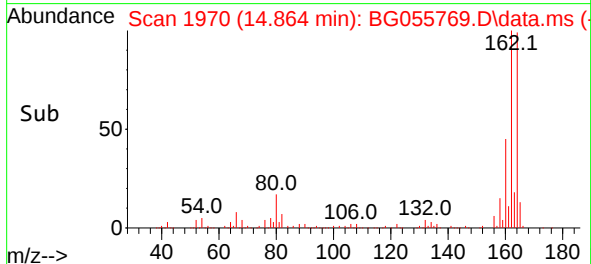
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122



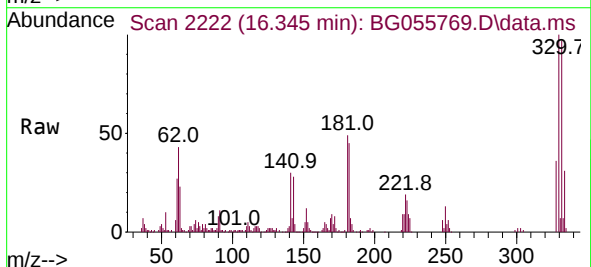
Tgt Ion:164 Resp: 112460
Ion Ratio Lower Upper
164 100
162 101.1 81.1 121.7
160 45.7 34.8 52.2

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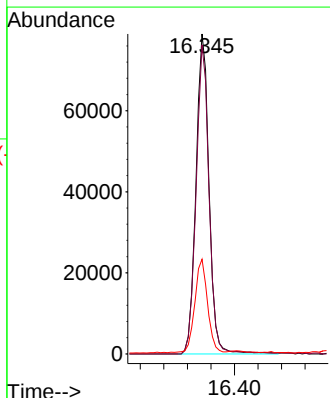
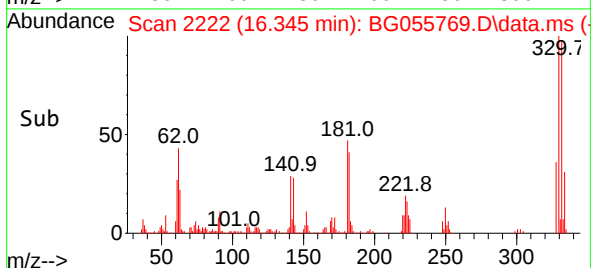
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

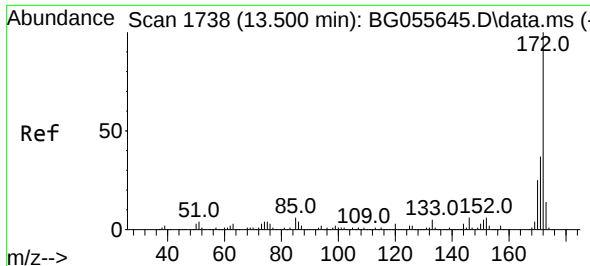


#42
2,4,6-Tribromophenol
Concen: 76.817 ng
RT: 16.345 min Scan# 2222
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25



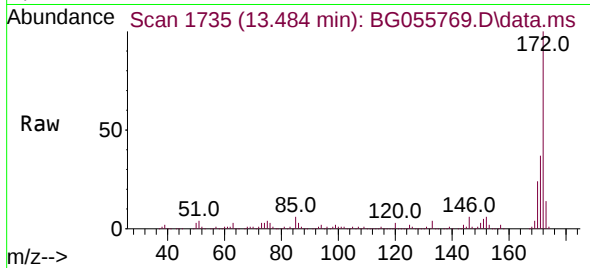
Tgt Ion:330 Resp: 121646
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 28.3 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 54.877 ng
RT: 13.484 min Scan# 1735
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

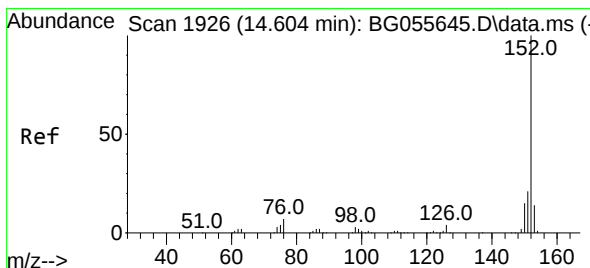
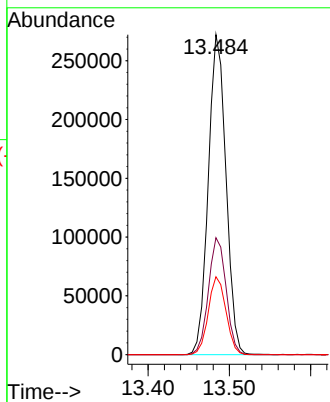
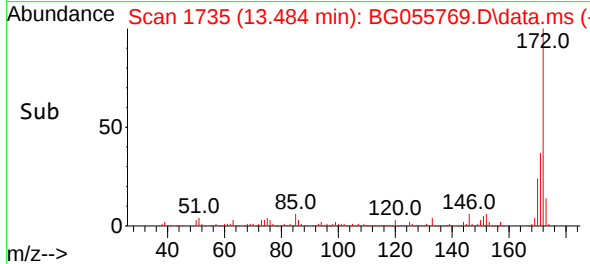
Instrument :
BNA_G
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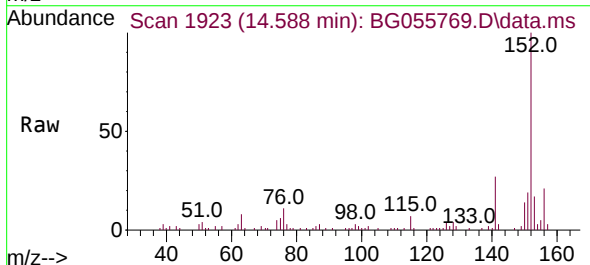
Tgt Ion:172 Resp: 411946
Ion Ratio Lower Upper
172 100
171 36.5 29.8 44.6
170 24.3 20.2 30.4

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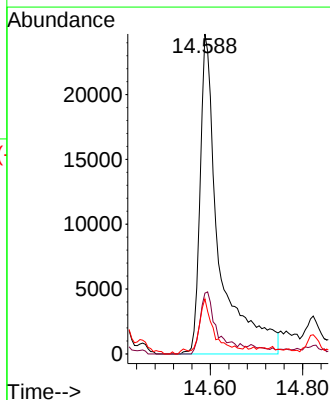
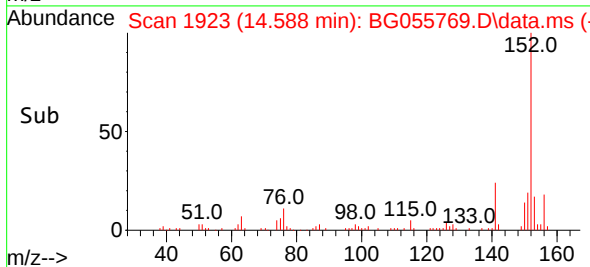
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

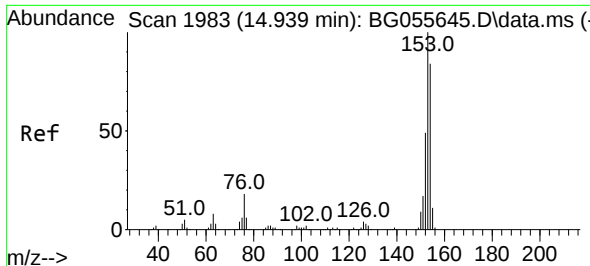


#49
Acenaphthylene
Concen: 6.728 ng
RT: 14.588 min Scan# 1923
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25



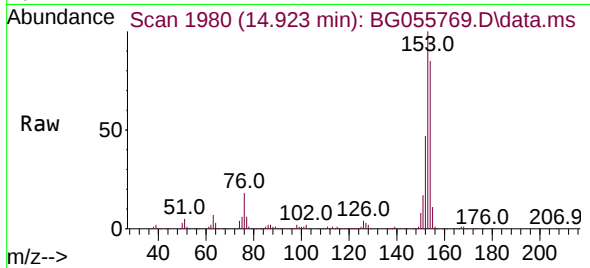
Tgt Ion:152 Resp: 70570
Ion Ratio Lower Upper
152 100
151 19.0 16.4 24.6
153 17.2 11.0 16.4#





#52
Acenaphthene
Concen: 25.854 ng
RT: 14.923 min Scan# 1983
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

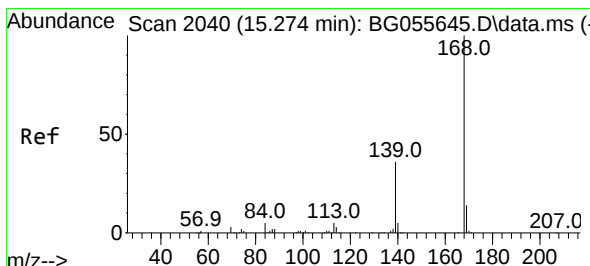
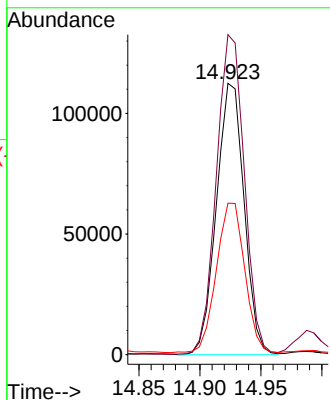
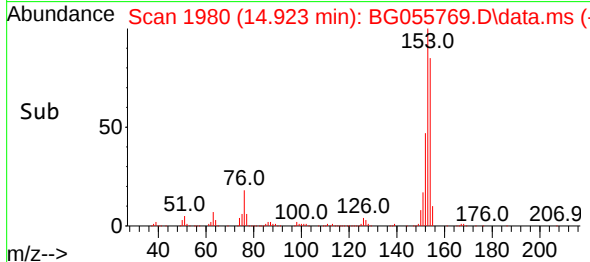
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122



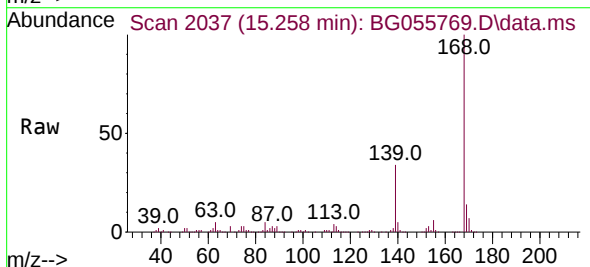
Tgt Ion:154 Resp: 177240
Ion Ratio Lower Upper
154 100
153 118.0 95.0 142.4
152 55.9 46.1 69.1

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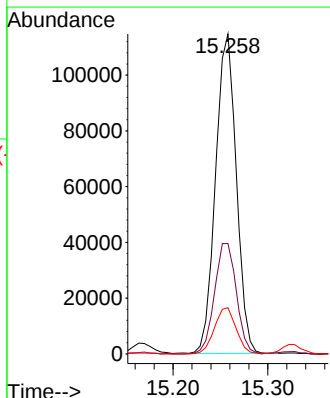
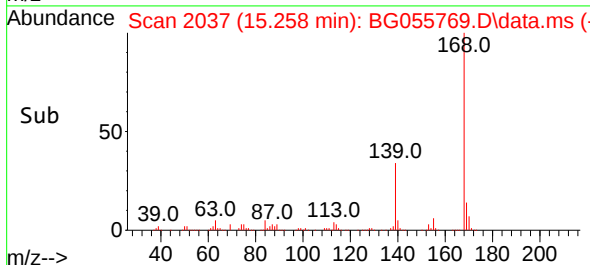
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

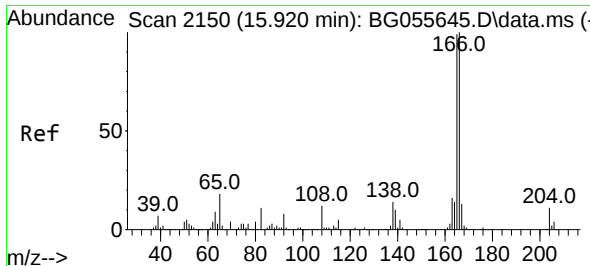


#55
Dibenzofuran
Concen: 16.466 ng
RT: 15.258 min Scan# 2037
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25



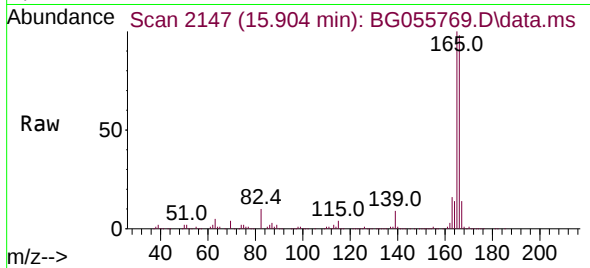
Tgt Ion:168 Resp: 174138
Ion Ratio Lower Upper
168 100
139 34.5 28.8 43.2
169 14.4 11.0 16.4





#58
Fluorene
Concen: 35.638 ng
RT: 15.904 min Scan# 2150
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

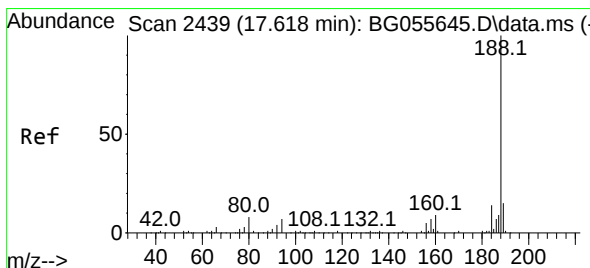
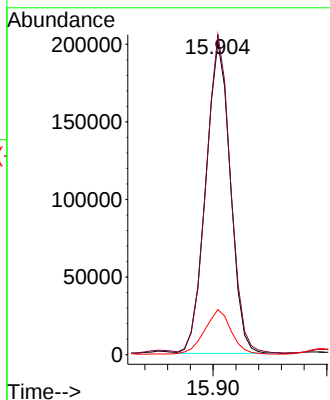
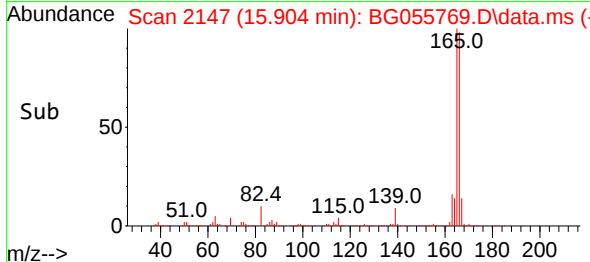
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122



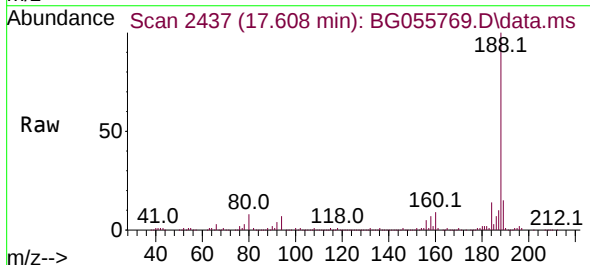
Tgt Ion:166 Resp: 301025
Ion Ratio Lower Upper
166 100
165 102.3 79.3 118.9
167 14.4 10.6 15.8

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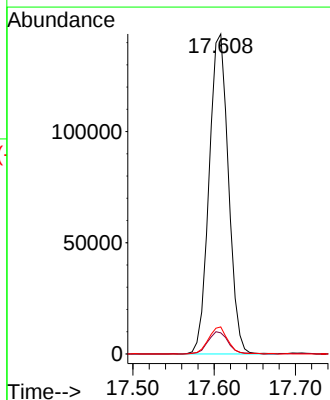
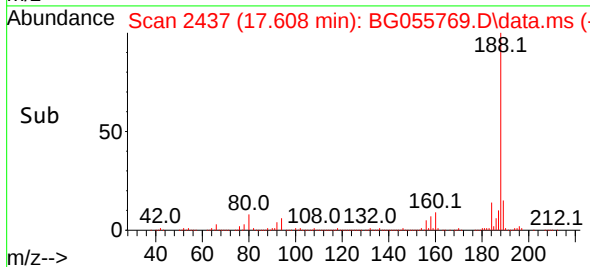
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

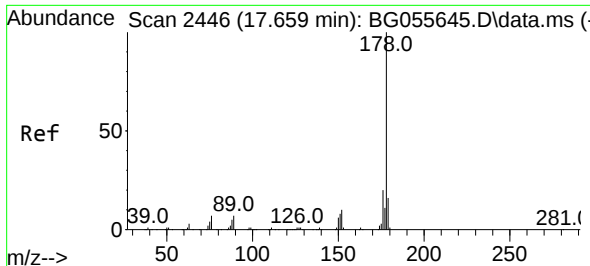


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.608 min Scan# 2437
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25



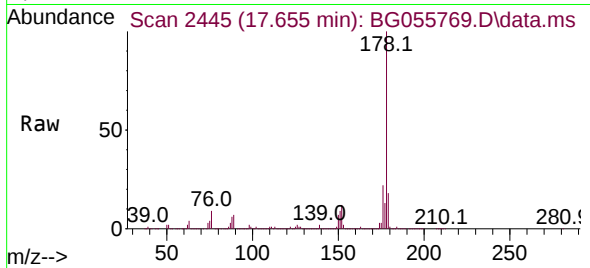
Tgt Ion:188 Resp: 237501
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.2
80 8.4 6.6 10.0





#71
Phenanthrene
Concen: 156.289 ng
RT: 17.655 min Scan# 2446
Delta R.T. 0.007 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

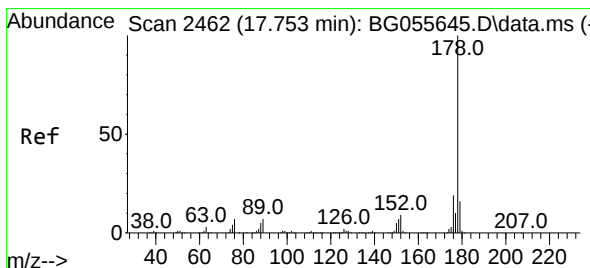
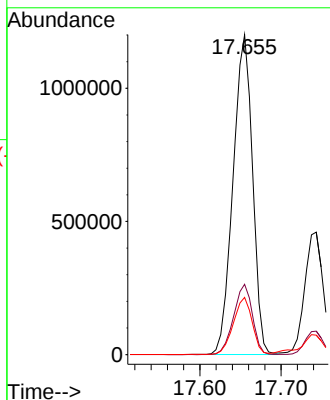
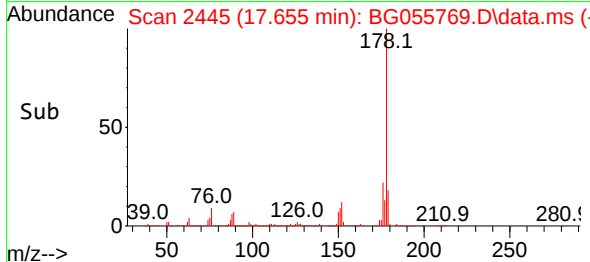
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122



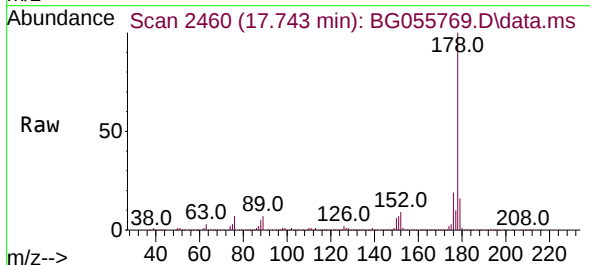
Tgt Ion:178 Resp: 2003091
Ion Ratio Lower Upper
178 100
176 22.0 16.0 24.0
179 17.9 12.7 19.1

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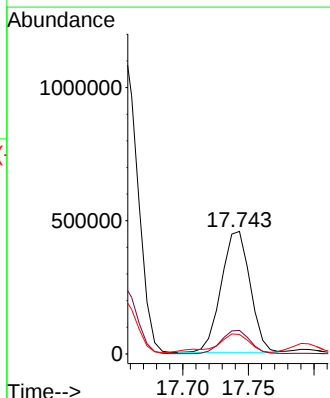
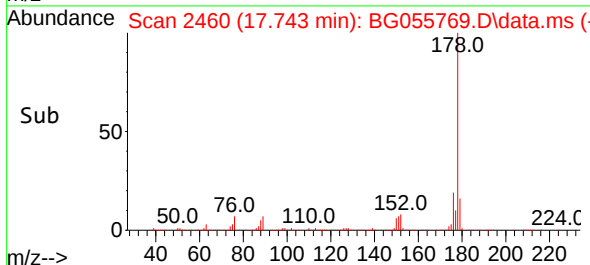
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

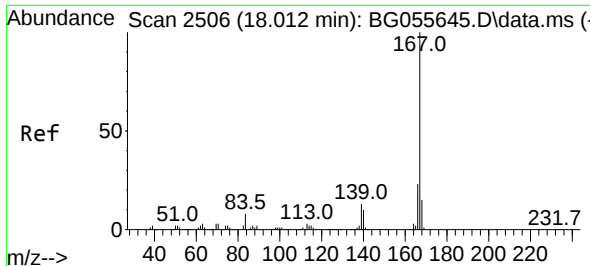


#72
Anthracene
Concen: 55.899 ng
RT: 17.743 min Scan# 2460
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25



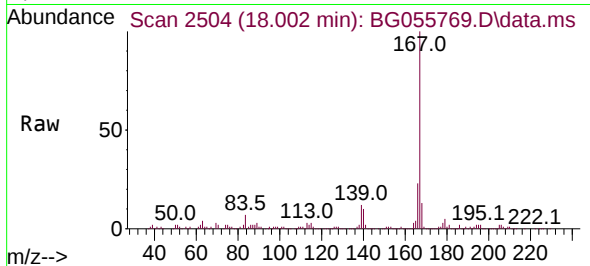
Tgt Ion:178 Resp: 696100
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.9 12.5 18.7





#73
 Carbazole
 Concen: 17.088 ng
 RT: 18.002 min Scan# 2506
 Delta R.T. -0.005 min
 Lab File: BG055769.D
 Acq: 24 Nov 2022 00:25

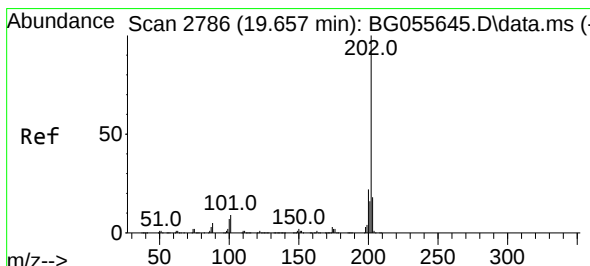
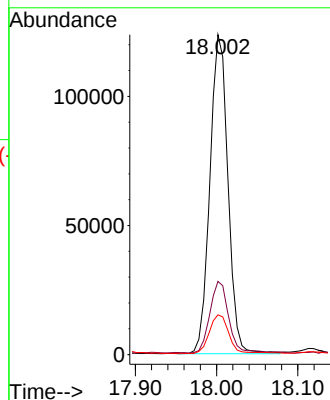
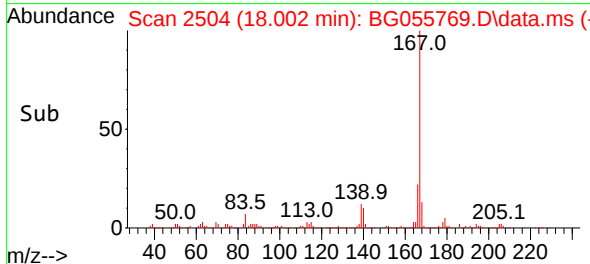
Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-112122



Tgt Ion:167 Resp: 191295
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.2 27.2
 139 12.4 10.2 15.4

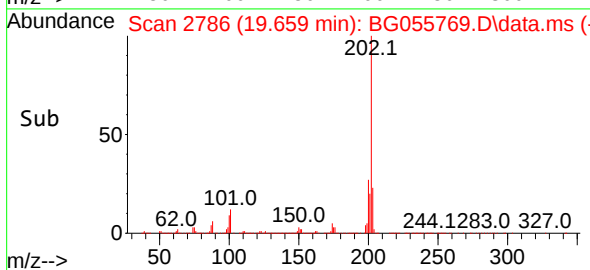
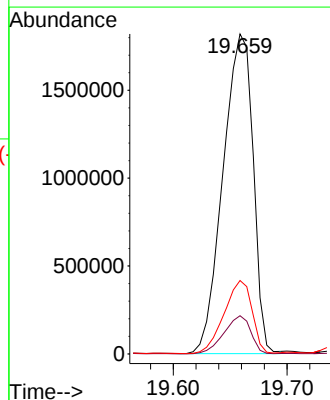
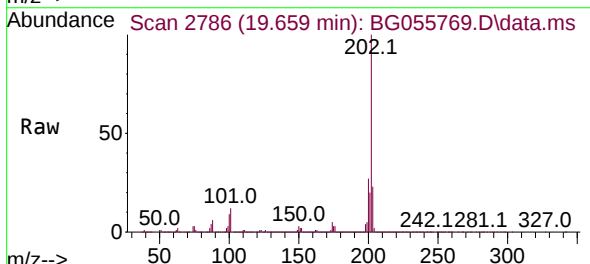
Manual Integrations
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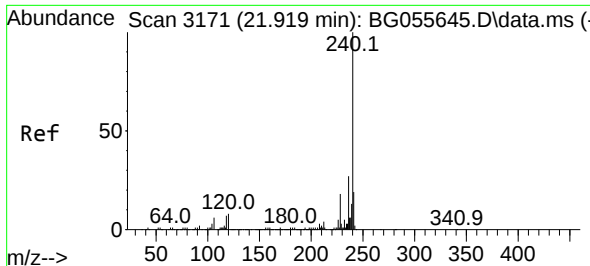
Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022



#75
 Fluoranthene
 Concen: 214.843 ng
 RT: 19.659 min Scan# 2786
 Delta R.T. 0.013 min
 Lab File: BG055769.D
 Acq: 24 Nov 2022 00:25

Tgt Ion:202 Resp: 3349891
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 28.8
 203 22.9 0.0 38.1





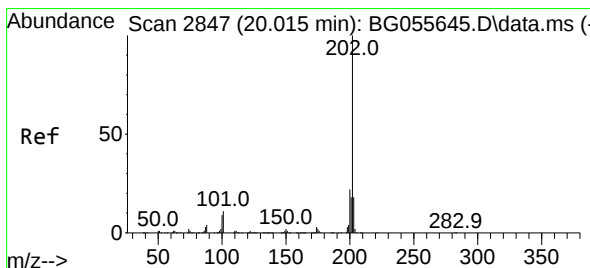
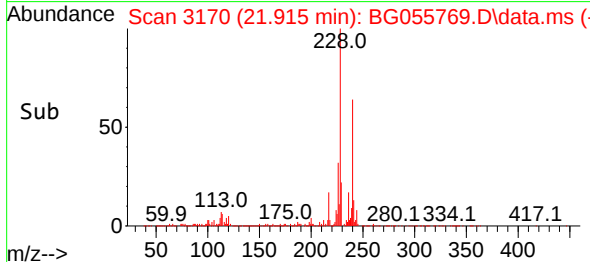
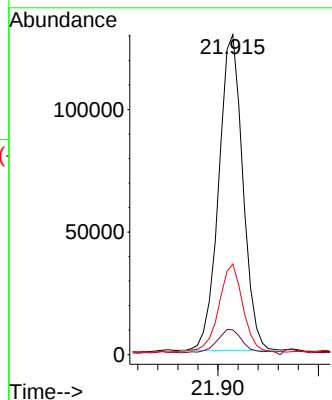
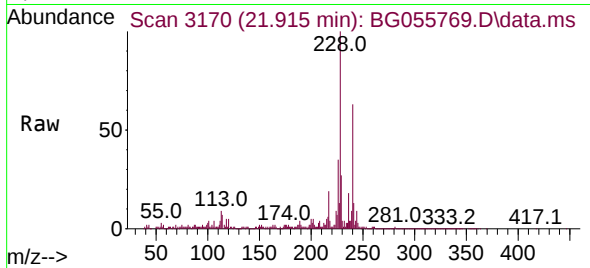
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.915 min Scan# 3171
Delta R.T. 0.013 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Tgt Ion:240 Resp: 214359
Ion Ratio Lower Upper
240 100
120 7.7 6.3 9.5
236 28.3 21.9 32.9

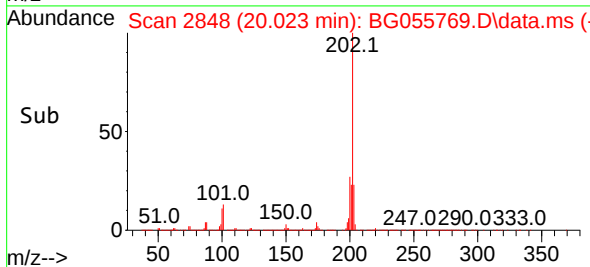
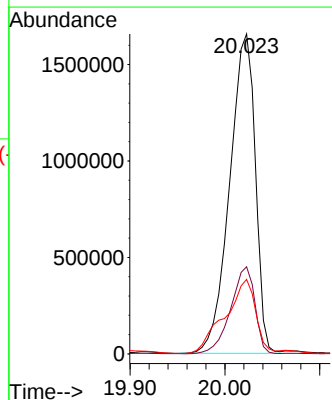
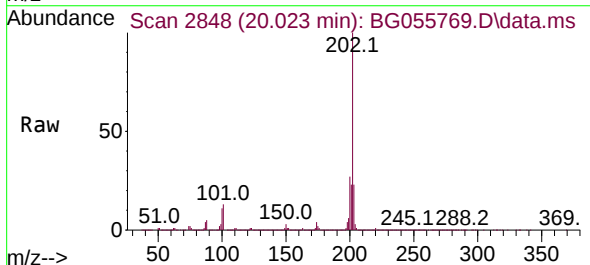
Manual Integrations
APPROVED

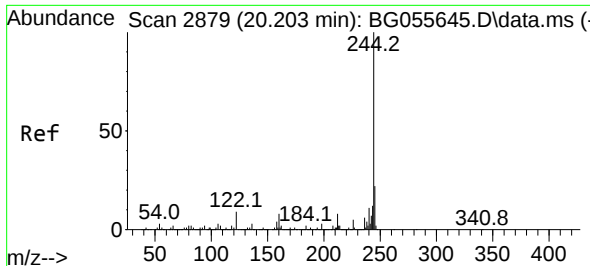
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#78
Pyrene
Concen: 214.693 ng
RT: 20.023 min Scan# 2848
Delta R.T. 0.013 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

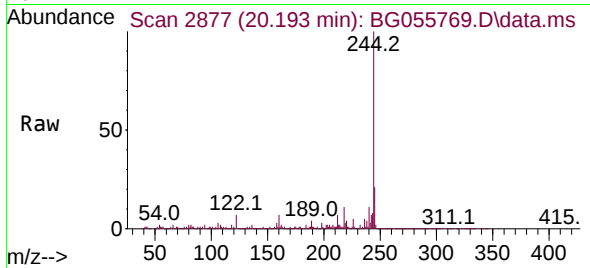
Tgt Ion:202 Resp: 3115099
Ion Ratio Lower Upper
202 100
200 27.2 17.8 26.6#
203 23.3 14.4 21.6#





#79
 Terphenyl-d14
 Concen: 55.852 ng
 RT: 20.193 min Scan# 2879
 Delta R.T. 0.001 min
 Lab File: BG055769.D
 Acq: 24 Nov 2022 00:25

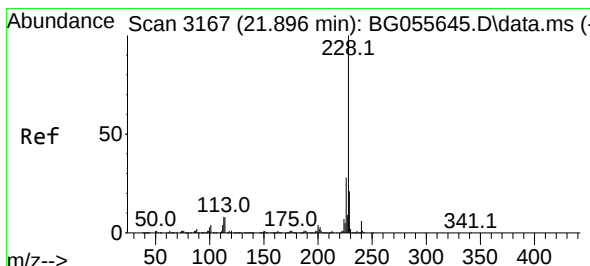
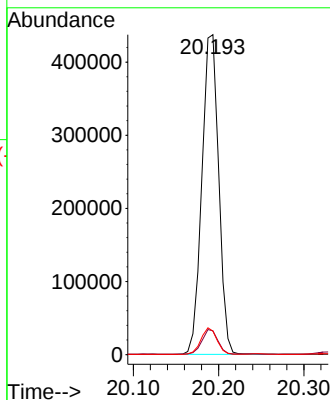
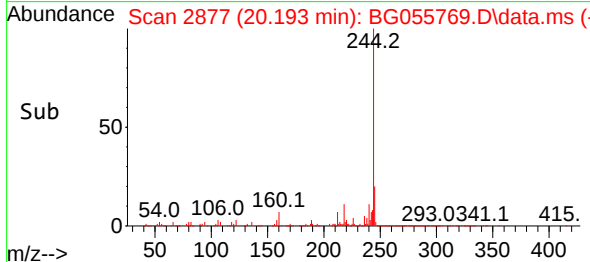
Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-112122



Tgt Ion:244 Resp: 598581
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.3 9.5
 122 7.3 6.9 10.3

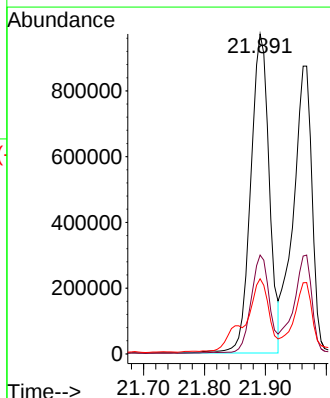
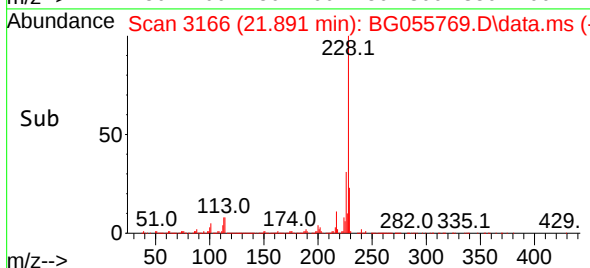
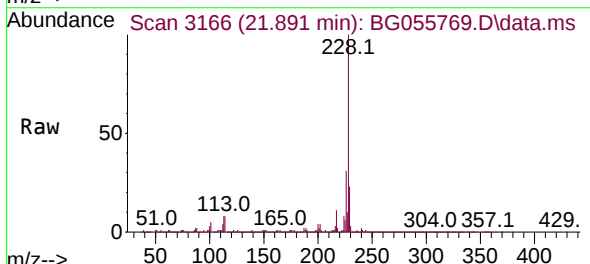
Manual Integrations
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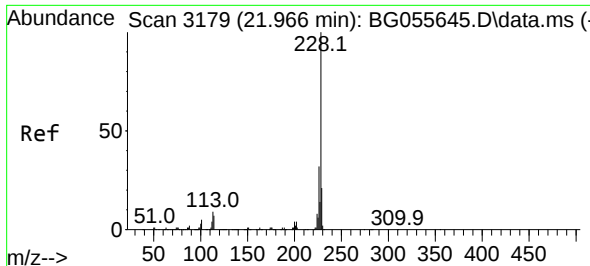
Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022



#81
 Benzo(a)anthracene
 Concen: 138.824 ng
 RT: 21.891 min Scan# 3166
 Delta R.T. 0.007 min
 Lab File: BG055769.D
 Acq: 24 Nov 2022 00:25

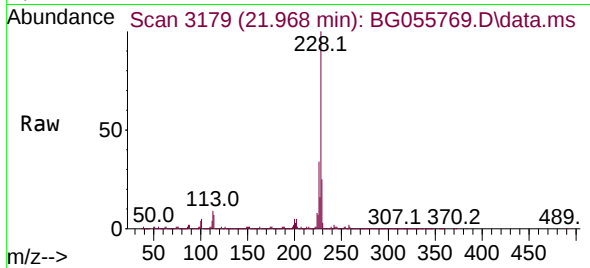
Tgt Ion:228 Resp: 2049624
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.7 34.1
 229 23.5 16.5 24.7





#83
Chrysene
Concen: 132.131 ng
RT: 21.968 min Scan# 3179
Delta R.T. 0.013 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

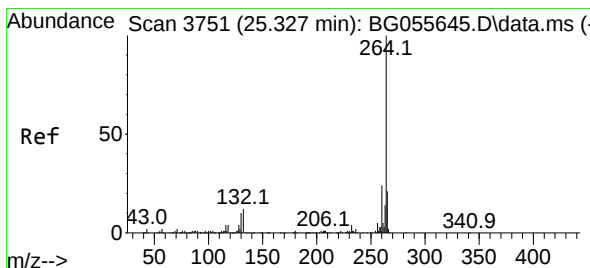
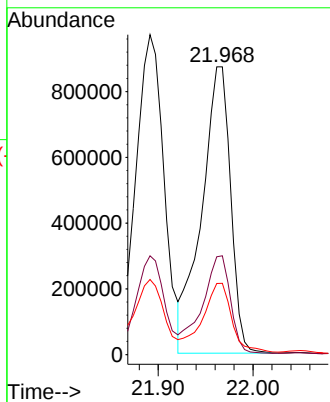
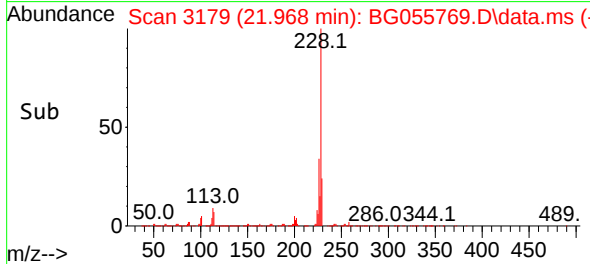
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122



Tgt Ion:228 Resp: 1857153
Ion Ratio Lower Upper
228 100
226 34.3 25.4 38.2
229 24.8 17.1 25.7

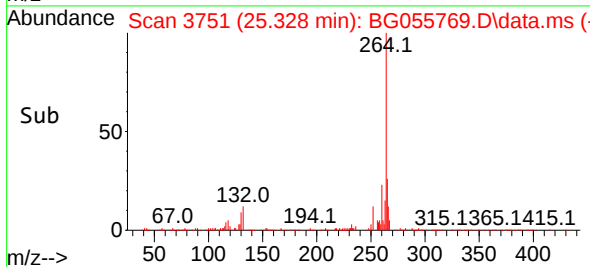
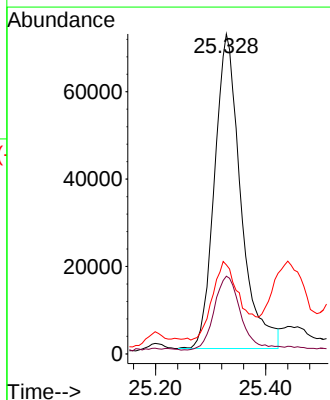
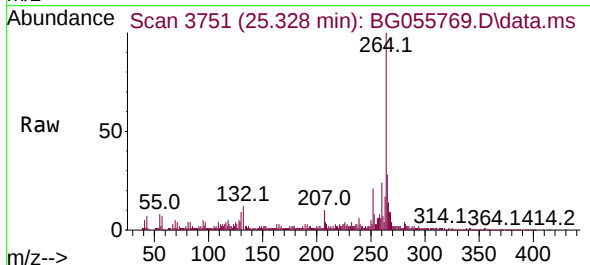
Manual Integrations
APPROVED

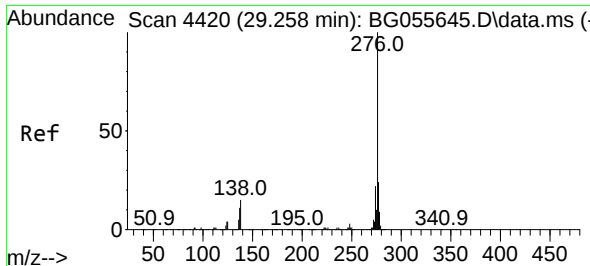
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.328 min Scan# 3751
Delta R.T. 0.025 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

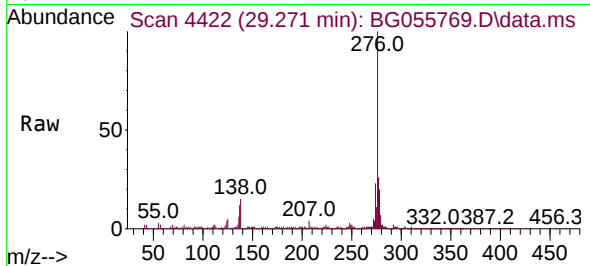
Tgt Ion:264 Resp: 237962
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 27.8 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 50.513 ng
 RT: 29.271 min Scan# 4420
 Delta R.T. 0.036 min
 Lab File: BG055769.D
 Acq: 24 Nov 2022 00:25

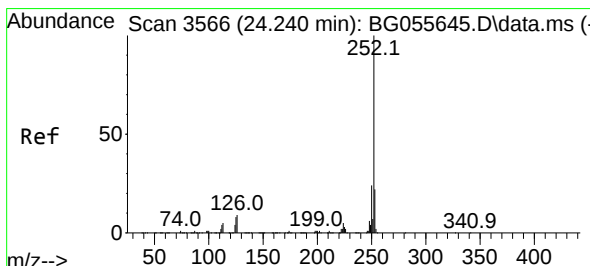
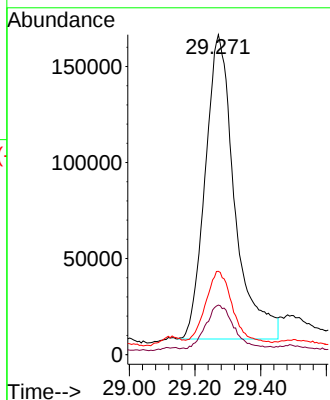
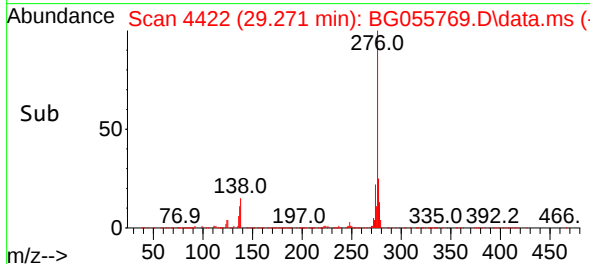
Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-112122



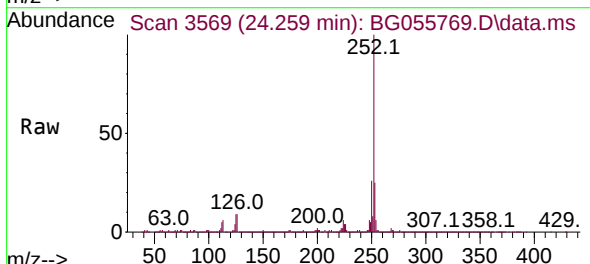
Tgt Ion: 276 Resp: 984721
 Ion Ratio Lower Upper
 276 100
 138 13.4 10.4 15.6
 277 21.1 20.2 30.4

Manual Integrations
 APPROVED

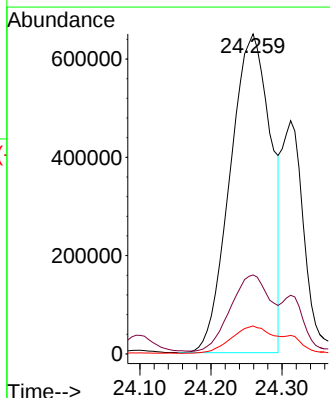
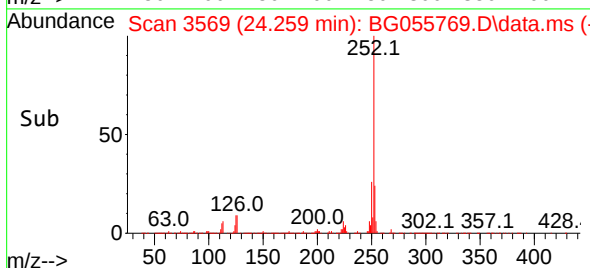
Reviewed By : Christian Giraldo 11/25/2022
 Supervised By : Jagrut Upadhyay 11/25/2022

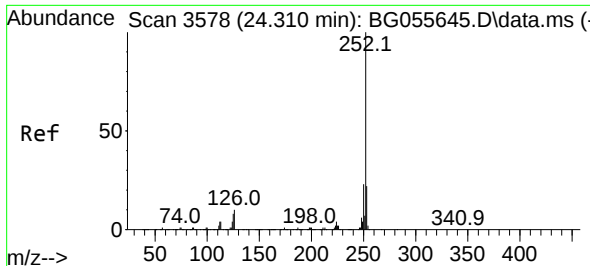


#88
 Benzo(b)fluoranthene
 Concen: 166.754 ng
 RT: 24.259 min Scan# 3569
 Delta R.T. 0.042 min
 Lab File: BG055769.D
 Acq: 24 Nov 2022 00:25



Tgt Ion: 252 Resp: 2584246
 Ion Ratio Lower Upper
 252 100
 253 24.7 18.0 27.0
 125 8.7 6.2 9.2





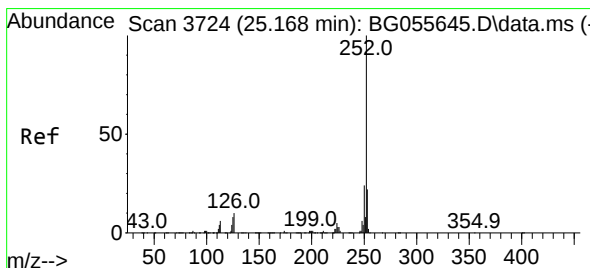
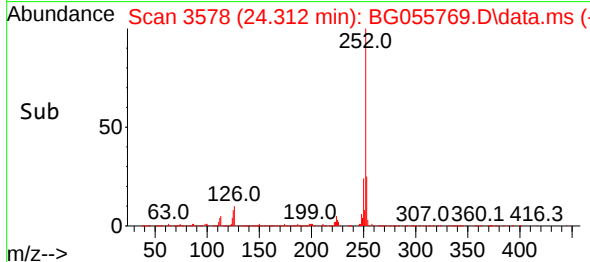
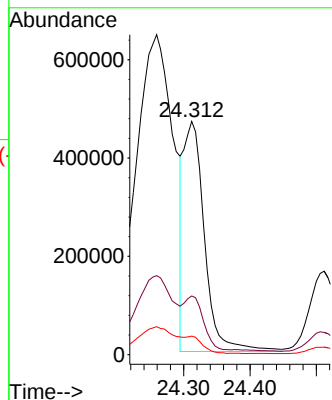
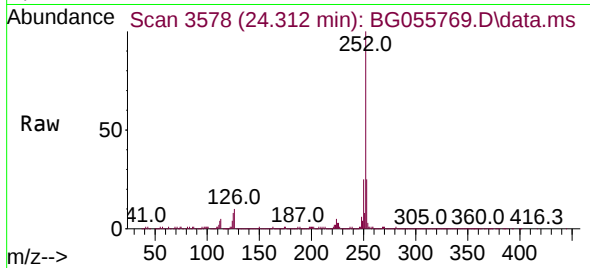
#89
Benzo(k)fluoranthene
Concen: 66.594 ng m
RT: 24.312 min Scan# 3578
Delta R.T. 0.019 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Tgt Ion:252 Resp: 1028735
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 7.9 6.1 9.1

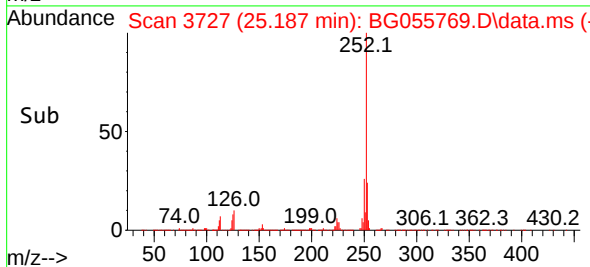
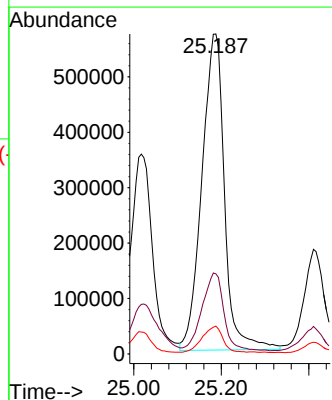
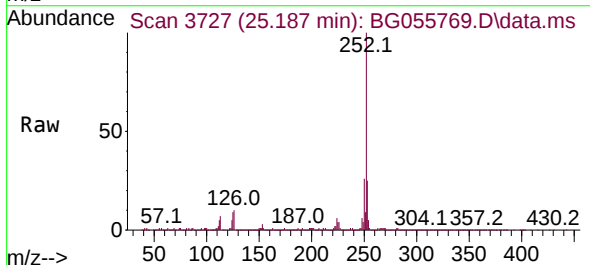
Manual Integrations
APPROVED

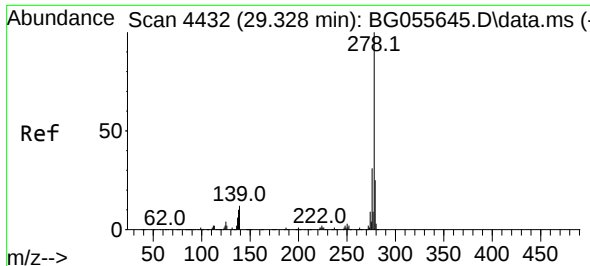
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#90
Benzo(a)pyrene
Concen: 153.994 ng
RT: 25.187 min Scan# 3727
Delta R.T. 0.042 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:252 Resp: 2047921
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.6
125 8.7 6.4 9.6





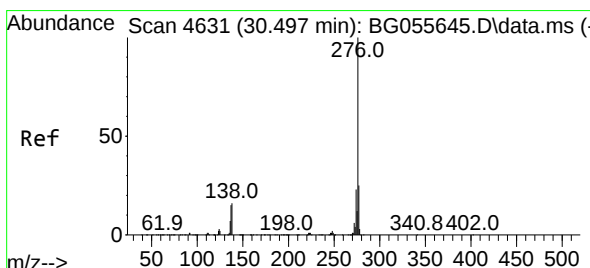
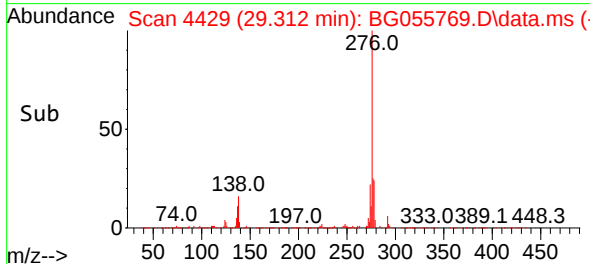
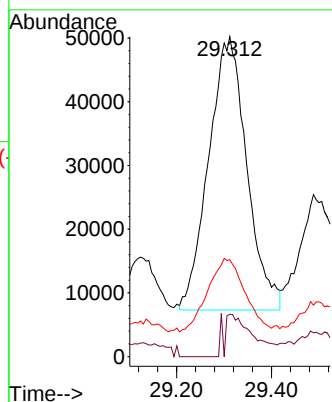
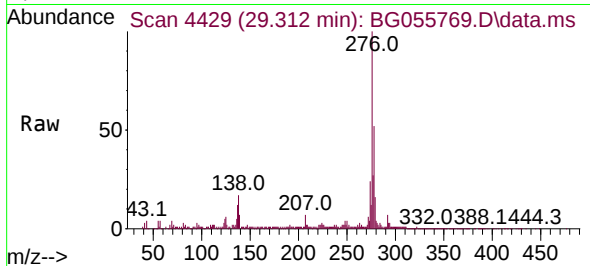
#91
Dibenzo(a,h)anthracene
Concen: 15.035 ng m
RT: 29.312 min Scan# 4432
Delta R.T. 0.013 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Tgt Ion:278 Resp: 239508
Ion Ratio Lower Upper
278 100
139 13.2 9.8 14.8
279 30.3 19.8 29.6

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 54.531 ng
RT: 30.511 min Scan# 4633
Delta R.T. 0.048 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:276 Resp: 875552
Ion Ratio Lower Upper
276 100
277 24.3 19.8 29.6
138 16.1 13.1 19.7

