

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120822\
 Data File : BG055935.D
 Acq On : 8 Dec 2022 20:08
 Operator : CG/JU
 Sample : N5942-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-120722

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/09/2022
 Supervised By :mohammad ahmed 12/14/2022

Quant Time: Dec 09 08:12:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 07:57:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.141	152	30832	20.000	ng	0.00
21) Naphthalene-d8	10.967	136	142163	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	102561	20.000	ng	0.00
64) Phenanthrene-d10	17.519	188	229458	20.000	ng	0.00
76) Chrysene-d12	21.802	240	205018	20.000	ng	0.00
86) Perylene-d12	25.133	264	240662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.674	112	266128	156.017	ng	0.00
7) Phenol-d6	7.301	99	373780	164.614	ng	0.00
23) Nitrobenzene-d5	9.316	82	237761	88.397	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	184148	127.509	ng	0.00
45) 2-Fluorobiphenyl	13.400	172	607430	88.728	ng	0.00
79) Terphenyl-d14	20.110	244	937133	91.425	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.839	154	21780	3.484	ng	96
55) Dibenzofuran	15.168	168	25476	2.641	ng	96
58) Fluorene	15.821	166	44914	5.831	ng	97
71) Phenanthrene	17.566	178	1096103	88.520	ng	99
72) Anthracene	17.654	178	118068	9.814	ng	97
73) Carbazole	17.924	167	313848	29.017	ng	100
75) Fluoranthene	19.569	202	2074694	137.723	ng	94
78) Pyrene	19.933	202	1661538	119.731	ng	95
81) Benzo(a)anthracene	21.778	228	756301	53.559	ng	98
83) Chrysene	21.855	228	995291	74.038	ng	97
87) Indeno(1,2,3-cd)pyrene	28.987	276	612252	31.054	ng	# 96
88) Benzo(b)fluoranthene	24.081	252	1293750	82.545	ng	98
89) Benzo(k)fluoranthene	24.140	252	431088m	27.593	ng	
90) Benzo(a)pyrene	24.986	252	794923	59.104	ng	98
91) Dibenzo(a,h)anthracene	29.011	278	148305	9.205	ng	94
92) Benzo(g,h,i)perylene	30.186	276	583735	35.948	ng	98

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

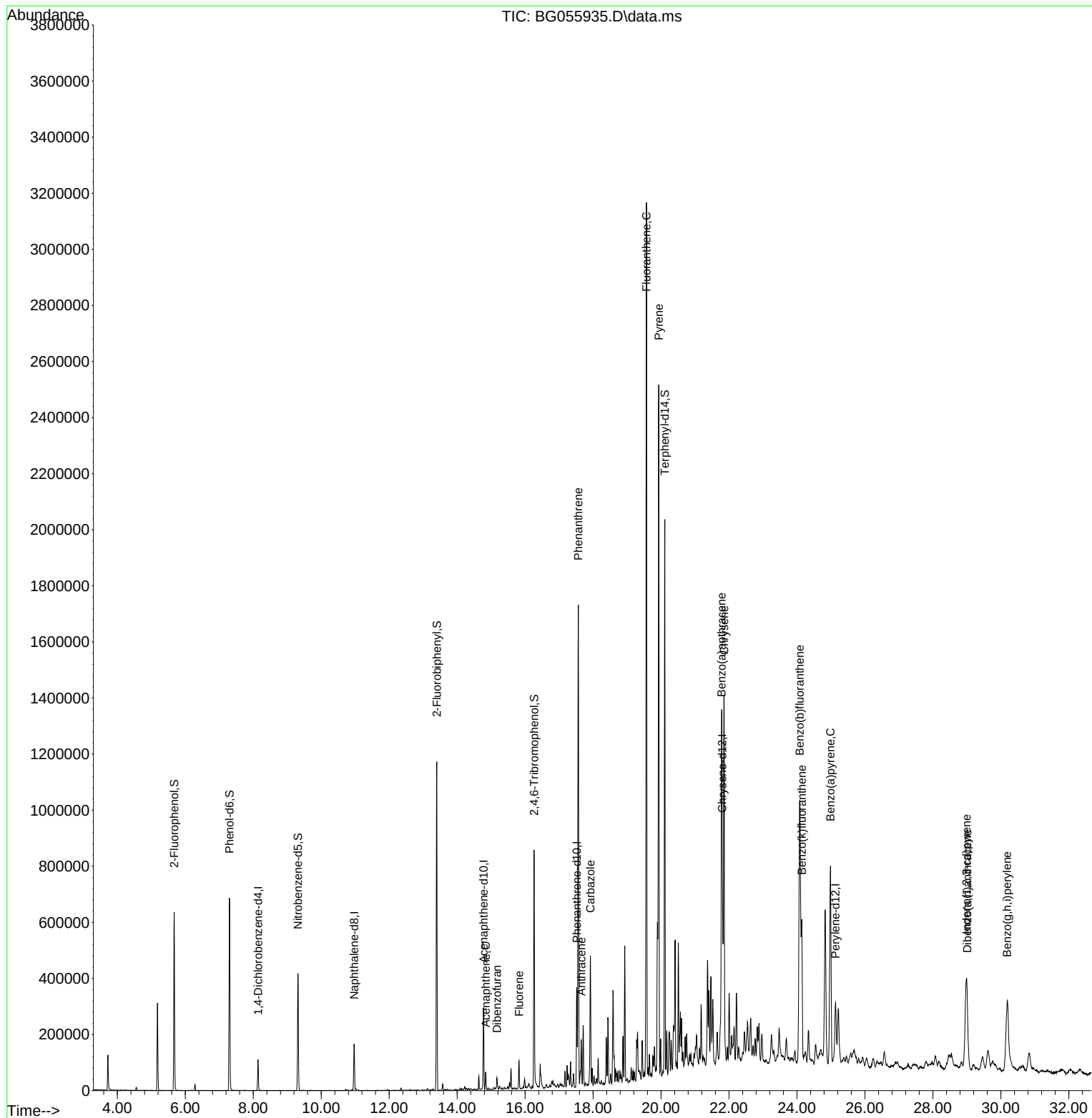
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120822\
Data File : BG055935.D
Acq On : 8 Dec 2022 20:08
Operator : CG/JU
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ALS Vial : 11 Sample Multiplier: 1

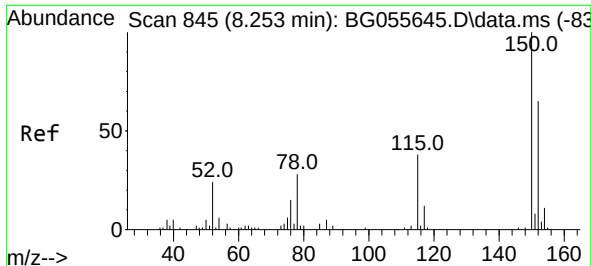
Instrument :
BNA_G
ClientSampleId :
OK-01-120722

Quant Time: Dec 09 08:12:11 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 07:57:14 2022
Response via : Initial Calibration

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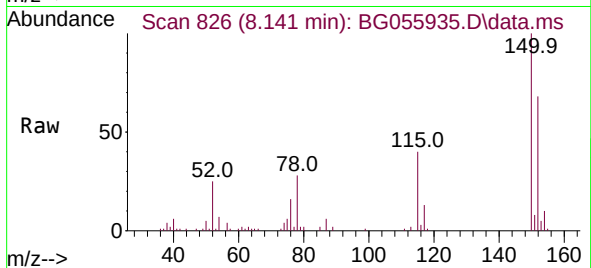
Reviewed By :Christian Giraldo 12/09/2022
Supervised By :mohammad ahmed 12/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.141 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

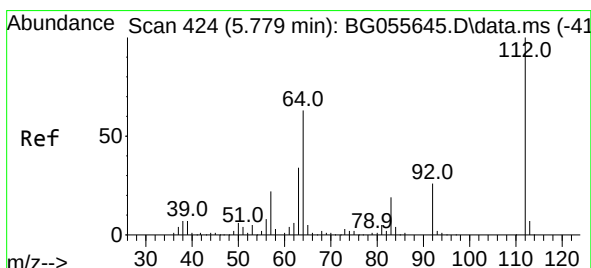
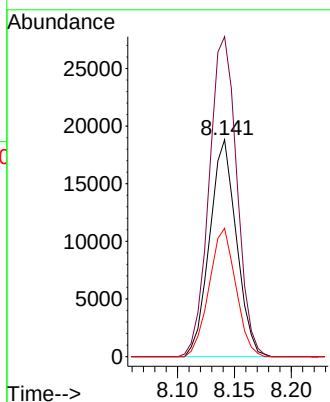
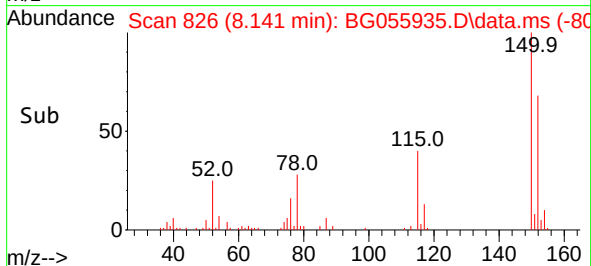
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BNA_G
ClientSampleId :
OK-01-120722



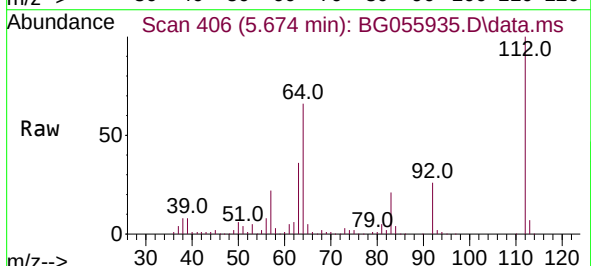
Tgt Ion:152 Resp: 30832
Ion Ratio Lower Upper
152 100
150 147.6 123.0 184.6
115 59.2 47.0 70.4

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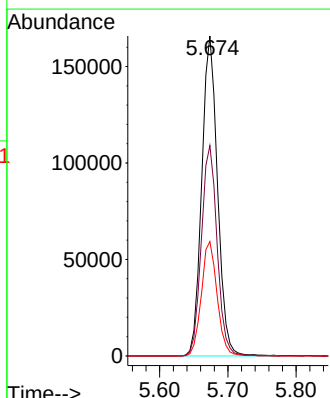
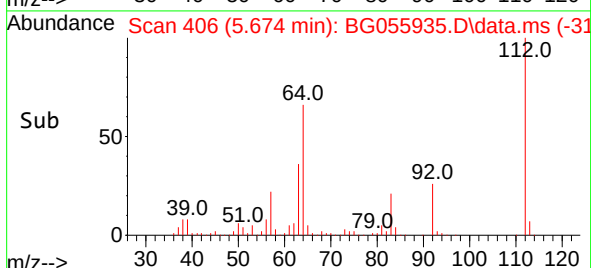
Reviewed By :Christian Giraldo 12/09/2022
Supervised By :mohammad ahmed 12/14/2022

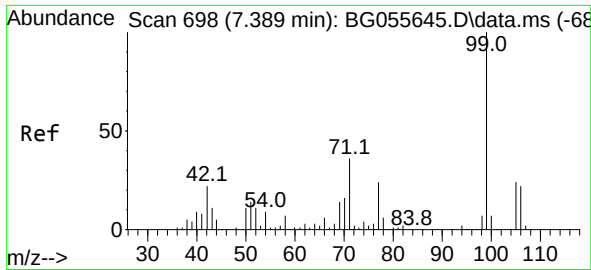


#5
2-Fluorophenol
Concen: 156.017 ng
RT: 5.674 min Scan# 406
Delta R.T. 0.001 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08



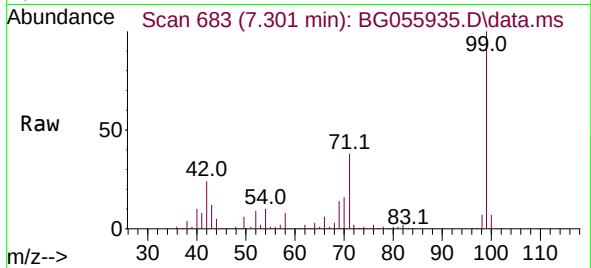
Tgt Ion:112 Resp: 266128
Ion Ratio Lower Upper
112 100
64 65.7 50.6 76.0
63 35.7 27.5 41.3





#7
Phenol-d6
Concen: 164.614 ng
RT: 7.301 min Scan# 68
Delta R.T. 0.001 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

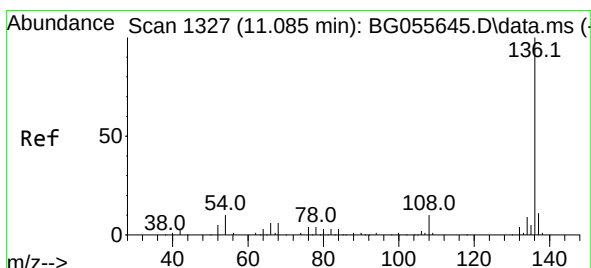
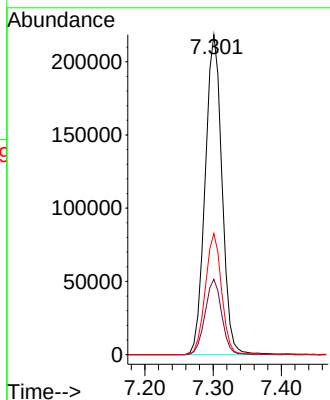
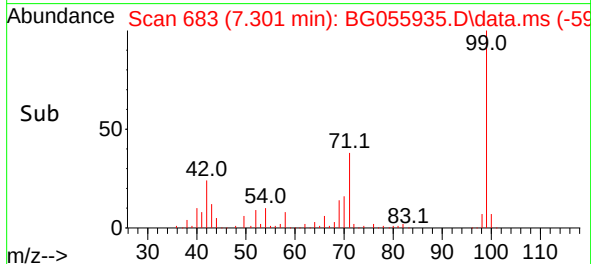
Instrument :
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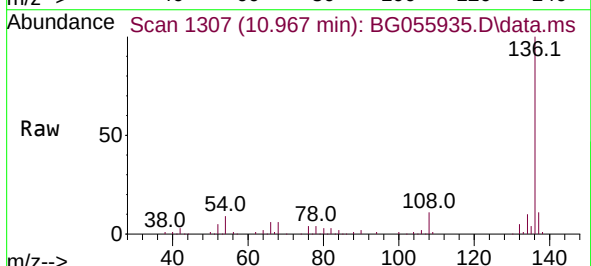
Tgt Ion: 99 Resp: 373780
Ion Ratio Lower Upper
99 100
42 23.5 18.0 27.0
71 37.8 29.0 43.6

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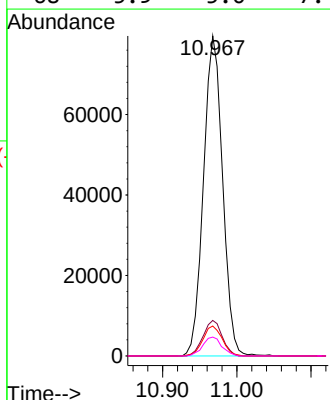
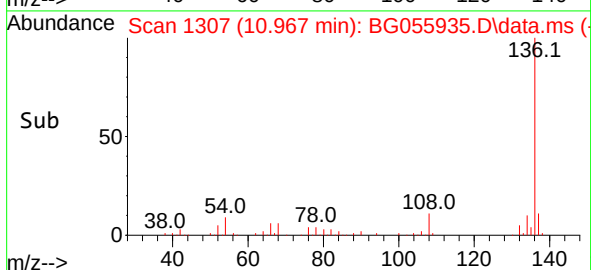
Reviewed By :Christian Giraldo 12/09/2022
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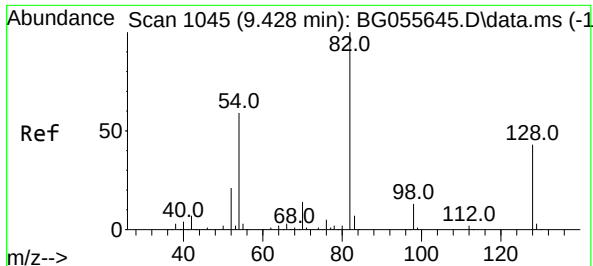


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 1307
Delta R.T. -0.005 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08



Tgt Ion:136 Resp: 142163
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.3 7.8 11.6
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 88.397 ng

RT: 9.316 min Scan# 1045

Delta R.T. -0.005 min

Lab File: BG055935.D

Acq: 8 Dec 2022 20:08

Instrument :

BNA_G

ClientSampleId :

OK-01-120722

Tgt Ion: 82 Resp: 237761

Ion Ratio Lower Upper

82 100

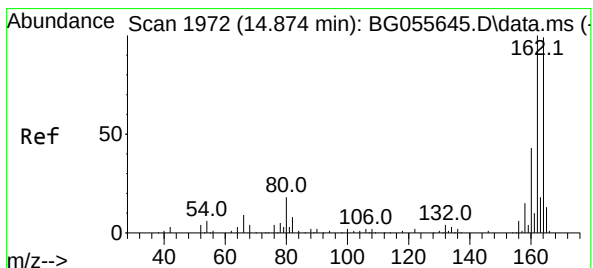
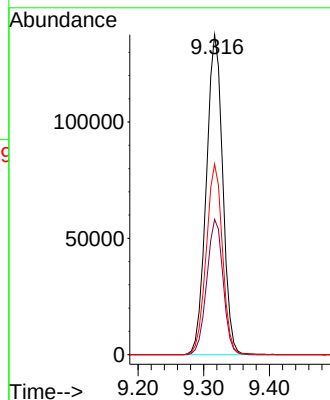
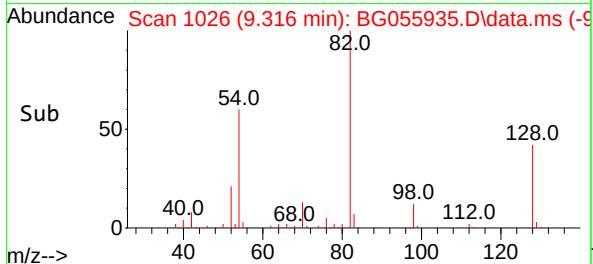
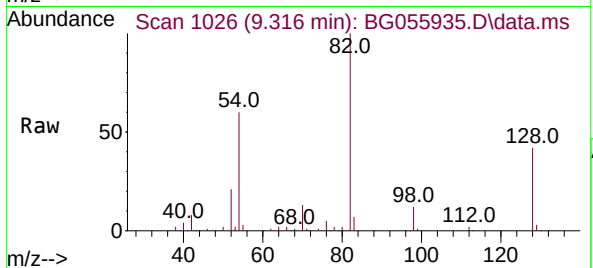
128 42.3 34.1 51.1

54 59.6 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.775 min Scan# 1955

Delta R.T. -0.005 min

Lab File: BG055935.D

Acq: 8 Dec 2022 20:08

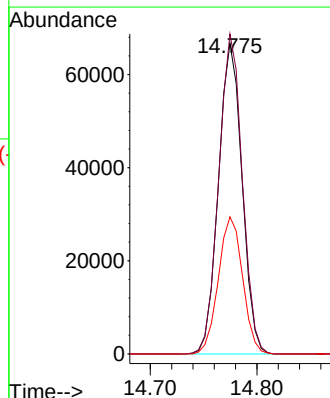
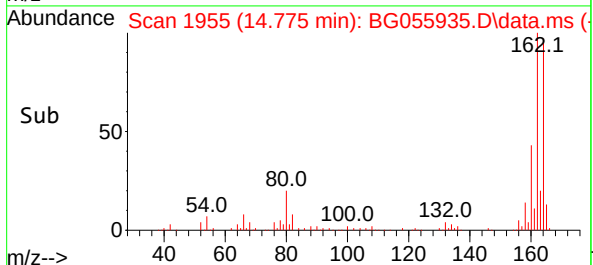
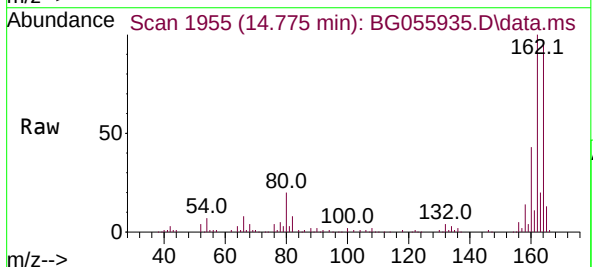
Tgt Ion:164 Resp: 102561

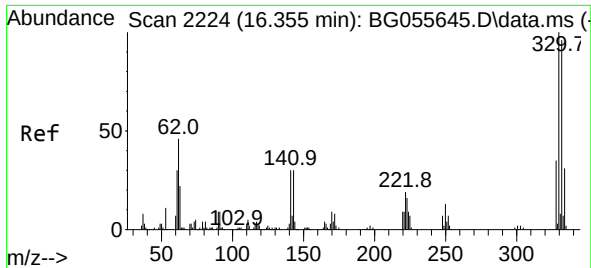
Ion Ratio Lower Upper

164 100

162 103.0 81.1 121.7

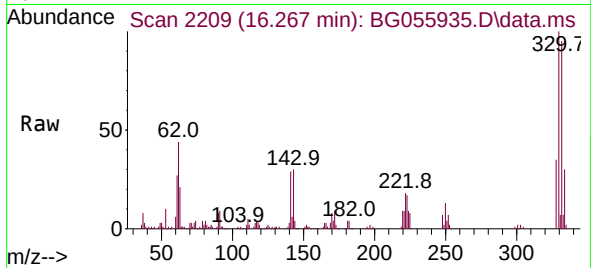
160 44.1 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 127.509 ng
RT: 16.267 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

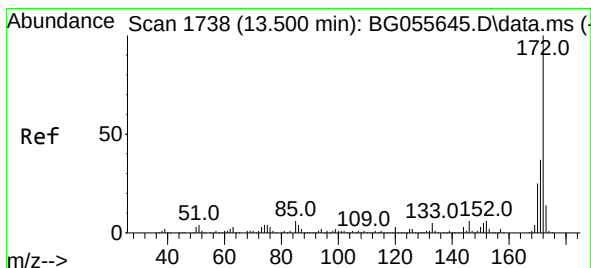
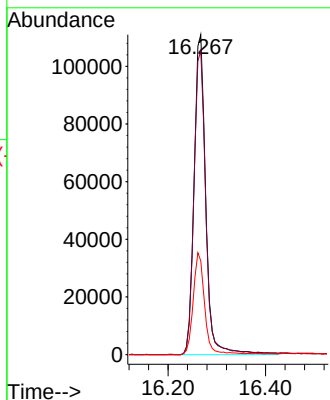
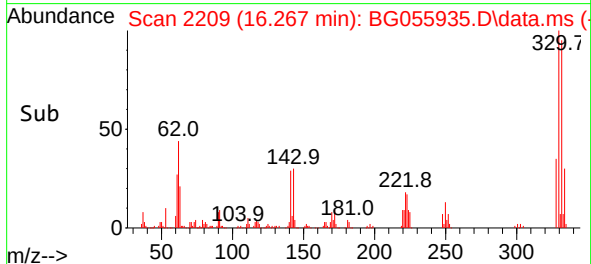
Instrument :
BNA_G
ClientSampleId :
OK-01-120722



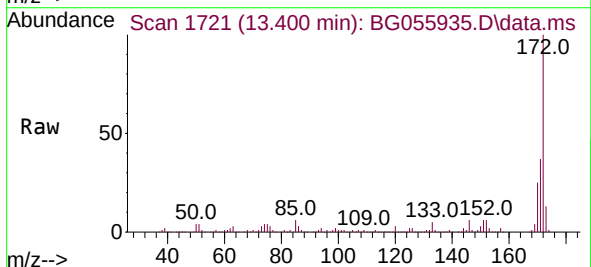
Tgt Ion:330 Resp: 184148
Ion Ratio Lower Upper
330 100
332 96.2 77.8 116.8
141 31.0 23.9 35.9

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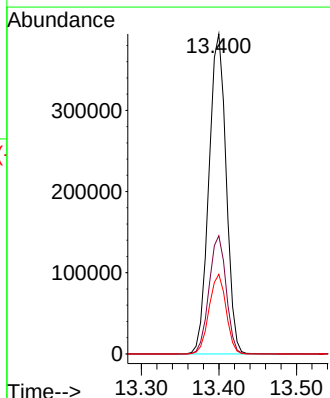
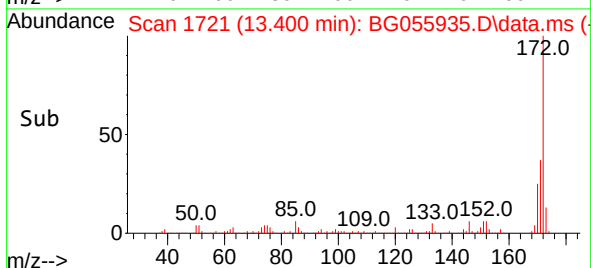
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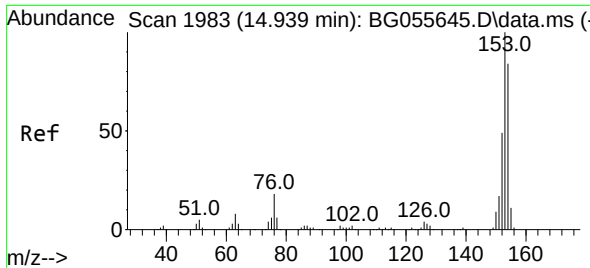


#45
2-Fluorobiphenyl
Concen: 88.728 ng
RT: 13.400 min Scan# 1721
Delta R.T. -0.005 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08



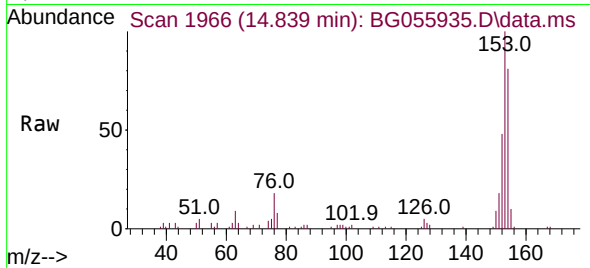
Tgt Ion:172 Resp: 607430
Ion Ratio Lower Upper
172 100
171 36.9 29.8 44.6
170 24.9 20.2 30.4





#52
Acenaphthene
Concen: 3.484 ng
RT: 14.839 min Scan# 1983
Delta R.T. -0.005 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

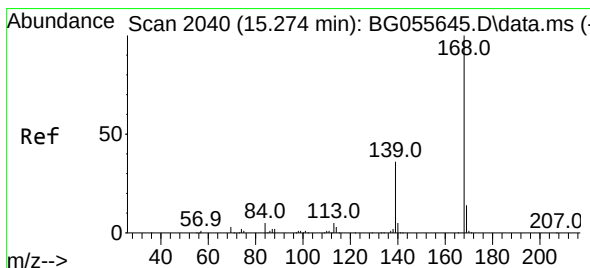
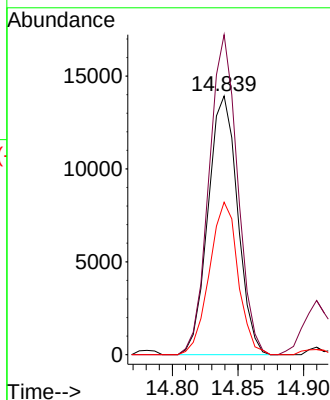
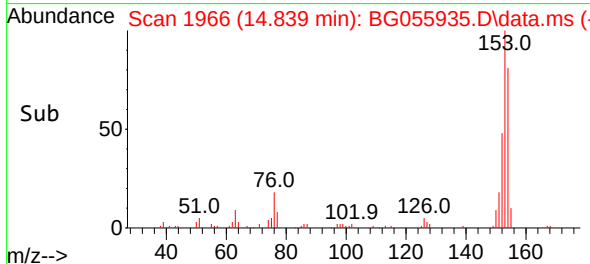
Instrument :
BNA_G
ClientSampleId :
OK-01-120722



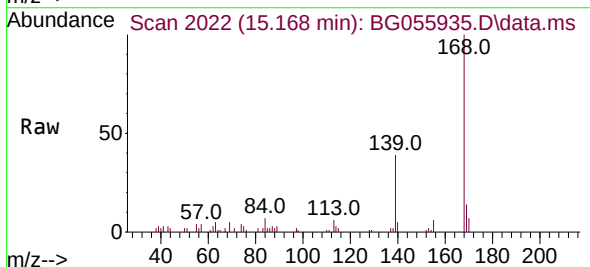
Tgt Ion:154 Resp: 21780
Ion Ratio Lower Upper
154 100
153 123.7 95.0 142.4
152 58.9 46.1 69.1

Manual Integrations
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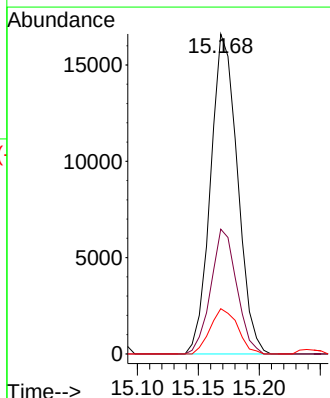
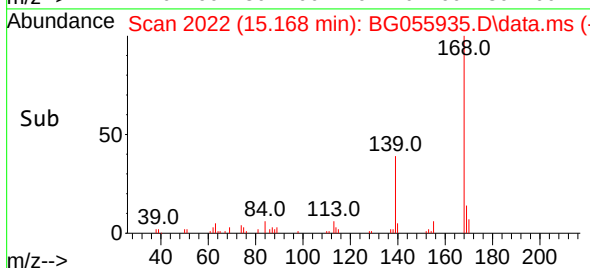
Reviewed By :Christian Giraldo 12/09/2022
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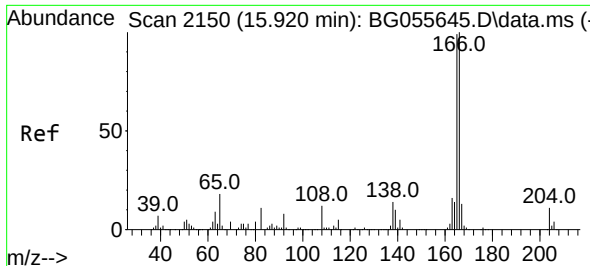


#55
Dibenzofuran
Concen: 2.641 ng
RT: 15.168 min Scan# 2022
Delta R.T. -0.011 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08



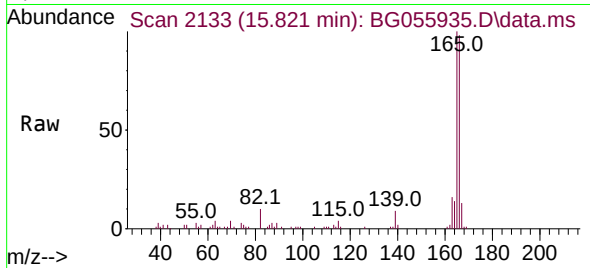
Tgt Ion:168 Resp: 25476
Ion Ratio Lower Upper
168 100
139 39.0 28.8 43.2
169 14.1 11.0 16.4





#58
Fluorene
Concen: 5.831 ng
RT: 15.821 min Scan# 2150
Delta R.T. -0.005 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

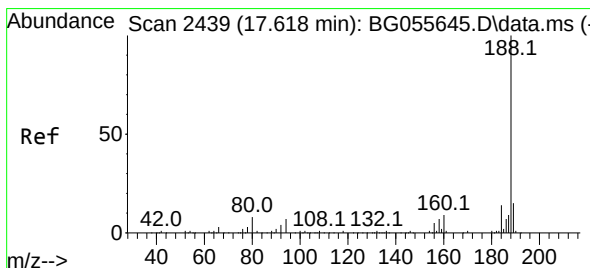
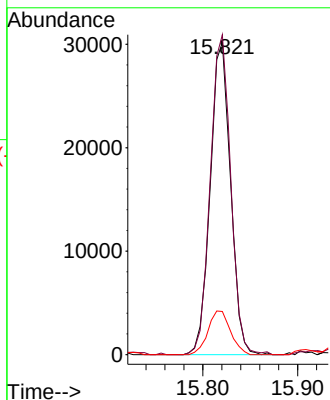
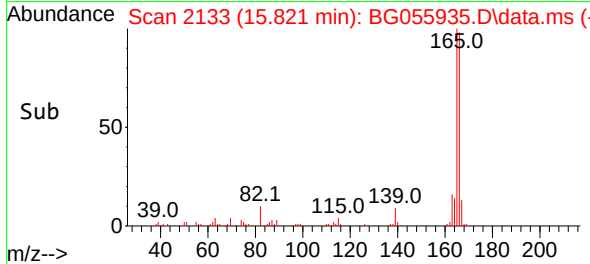
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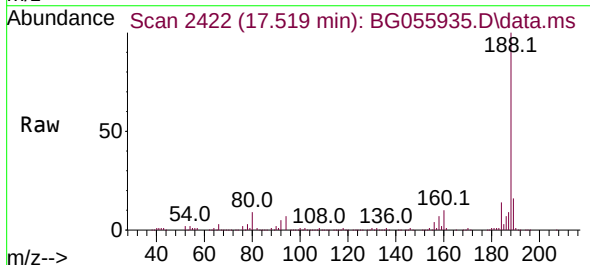
Tgt Ion:166 Resp: 44914
Ion Ratio Lower Upper
166 100
165 102.5 79.3 118.9
167 13.8 10.6 15.8

Manual Integrations
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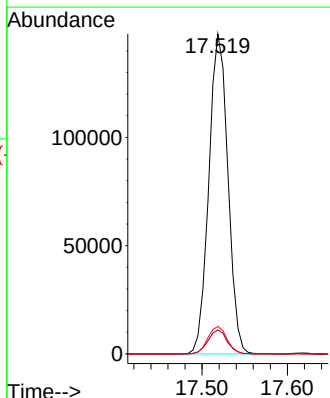
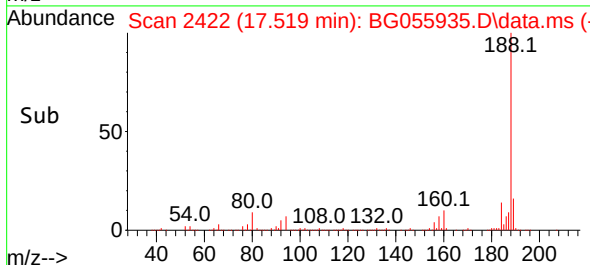
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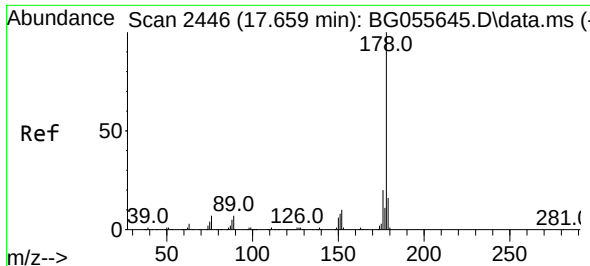


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.519 min Scan# 2422
Delta R.T. -0.005 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08



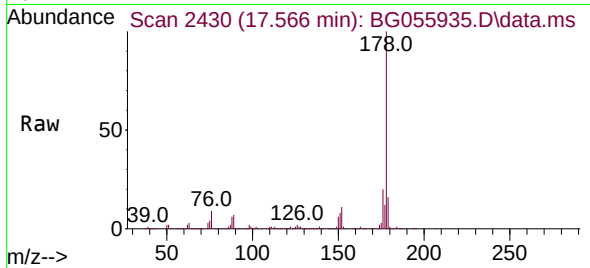
Tgt Ion:188 Resp: 229458
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.2
80 8.6 6.6 10.0





#71
Phenanthrene
Concen: 88.520 ng
RT: 17.566 min Scan# 2446
Delta R.T. 0.001 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

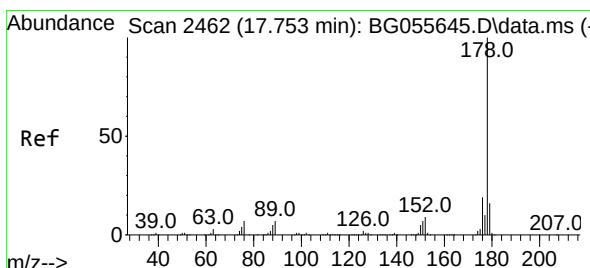
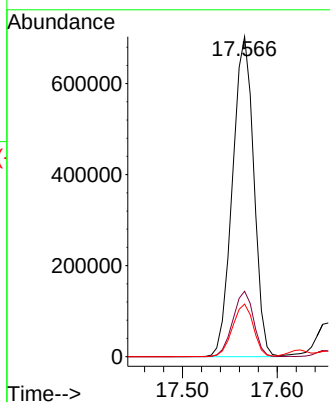
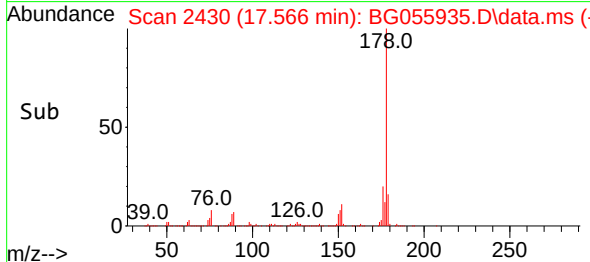
Instrument :
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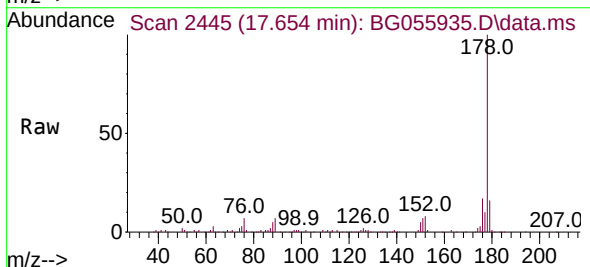
Tgt Ion:178 Resp: 1096103
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 16.5 12.7 19.1

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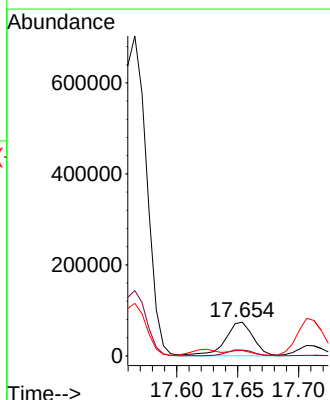
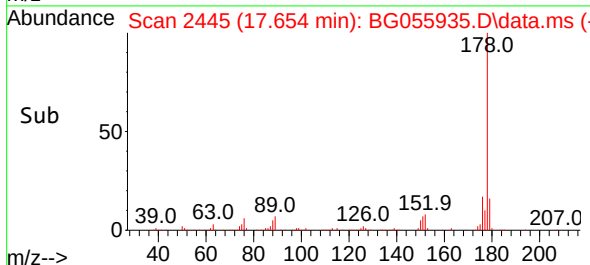
Reviewed By :Christian Giraldo 12/09/2022
Supervised By :mohammad ahmed 12/14/2022

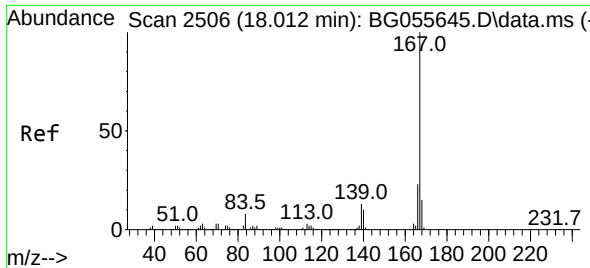


#72
Anthracene
Concen: 9.814 ng
RT: 17.654 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08



Tgt Ion:178 Resp: 118068
Ion Ratio Lower Upper
178 100
176 17.4 15.5 23.3
179 15.8 12.5 18.7





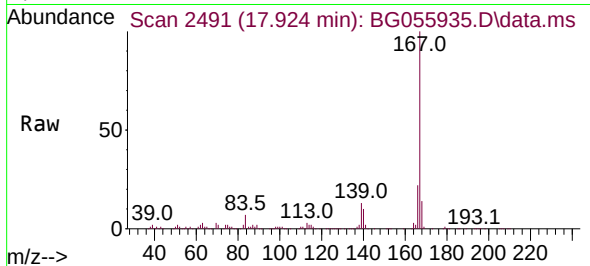
#73
 Carbazole
 Concen: 29.017 ng
 RT: 17.924 min Scan# 2491
 Delta R.T. 0.001 min
 Lab File: BG055935.D
 Acq: 8 Dec 2022 20:08

Instrument :

BNA_G

ClientSampleId :

OK-01-120722

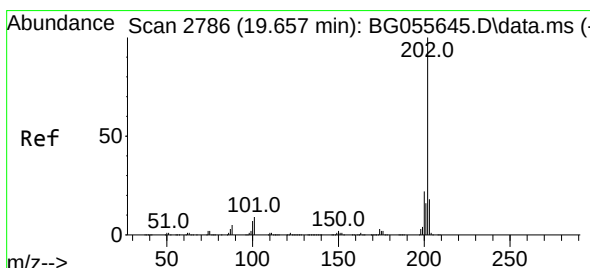
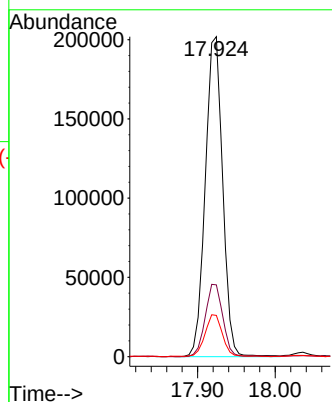
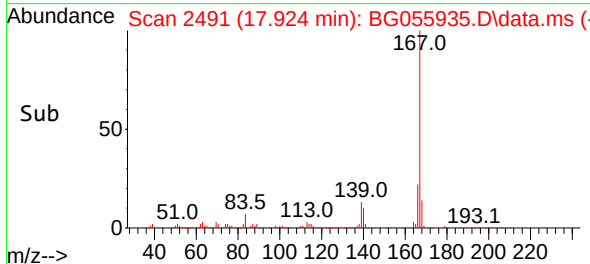


Tgt Ion:167 Resp: 313848
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.2 27.2
 139 12.9 10.2 15.4

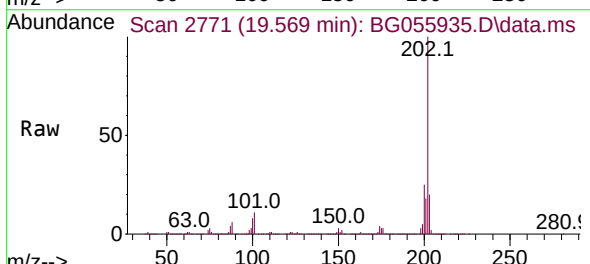
Manual Integrations

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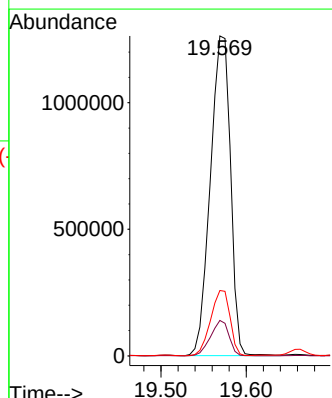
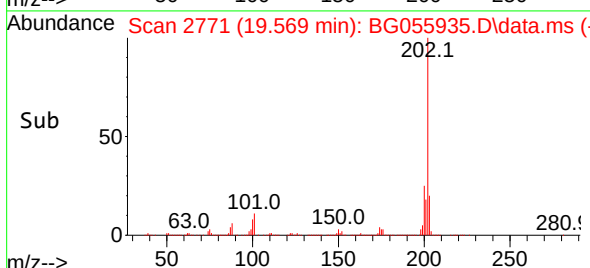
Reviewed By :Christian Giraldo 12/09/2022
 Supervised By :mohammad ahmed 12/14/2022

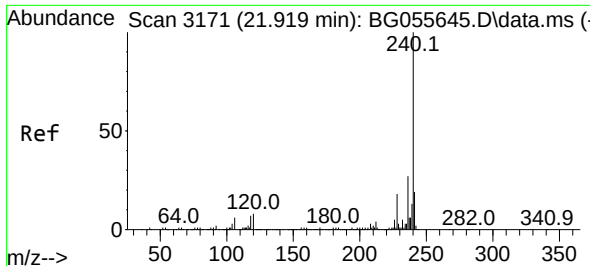


#75
 Fluoranthene
 Concen: 137.723 ng
 RT: 19.569 min Scan# 2771
 Delta R.T. 0.001 min
 Lab File: BG055935.D
 Acq: 8 Dec 2022 20:08



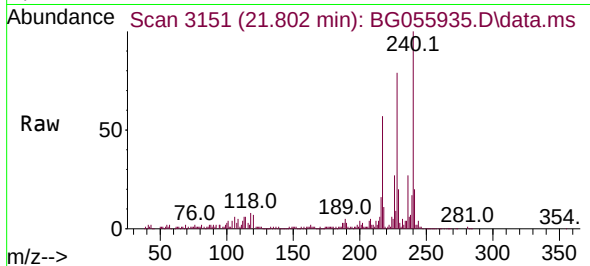
Tgt Ion:202 Resp: 2074694
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 28.8
 203 20.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.802 min Scan# 3171
Delta R.T. 0.001 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

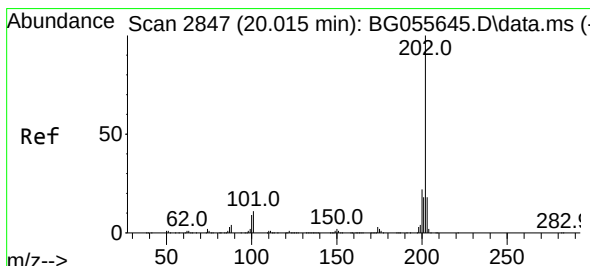
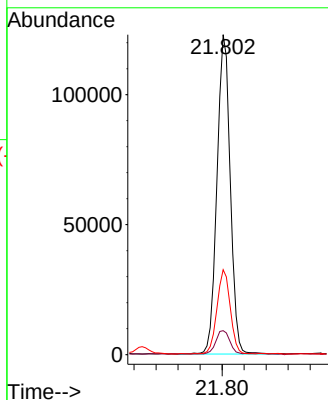
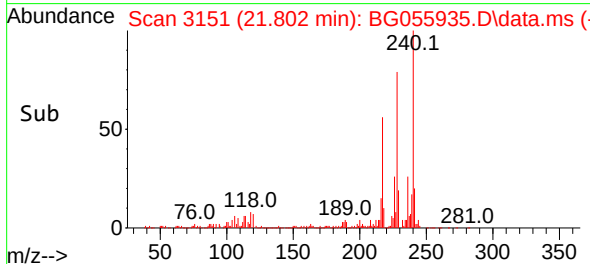
Instrument :
BNA_G
ClientSampleId :
OK-01-120722



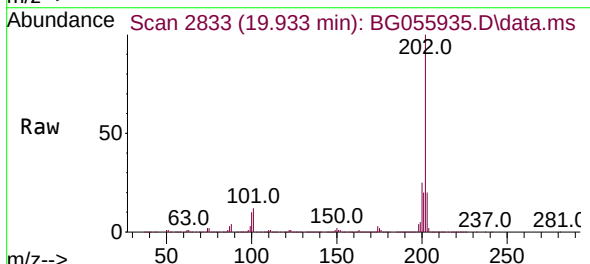
Tgt Ion:240 Resp: 205018
Ion Ratio Lower Upper
240 100
120 7.5 6.3 9.5
236 26.5 21.9 32.9

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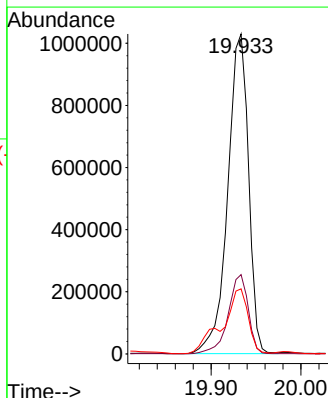
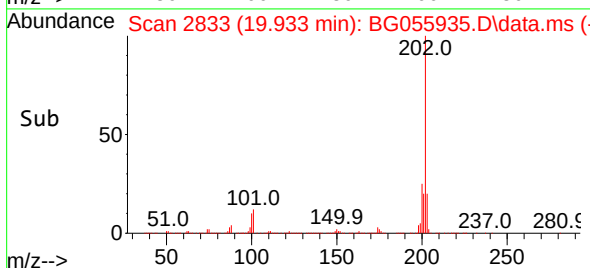
Reviewed By :Christian Giraldo 12/09/2022
Supervised By :mohammad ahmed 12/14/2022

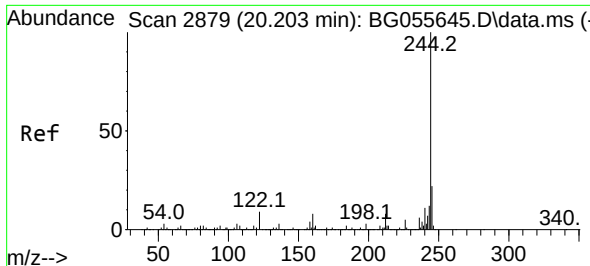


#78
Pyrene
Concen: 119.731 ng
RT: 19.933 min Scan# 2833
Delta R.T. 0.007 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08



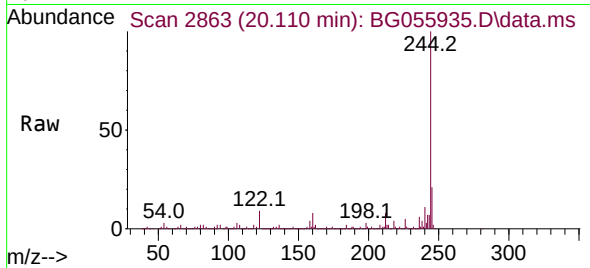
Tgt Ion:202 Resp: 1661538
Ion Ratio Lower Upper
202 100
200 24.8 17.8 26.6
203 20.3 14.4 21.6





#79
Terphenyl-d14
Concen: 91.425 ng
RT: 20.110 min Scan# 2879
Delta R.T. 0.001 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

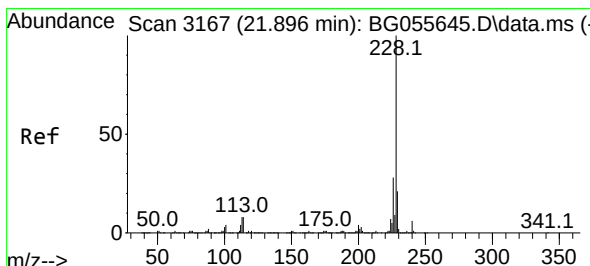
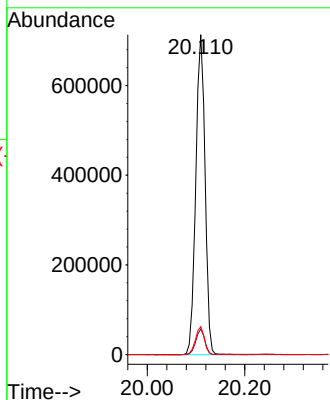
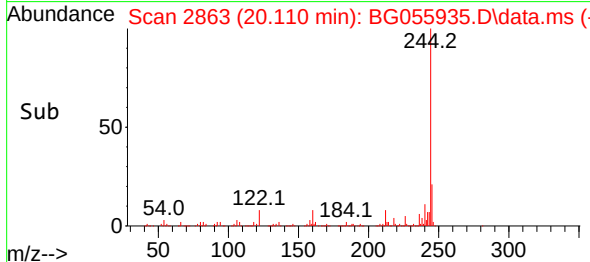
Instrument :
BNA_G
ClientSampleId :
OK-01-120722



Tgt Ion:244 Resp: 937133
Ion Ratio Lower Upper
244 100
212 8.0 6.3 9.5
122 8.7 6.9 10.3

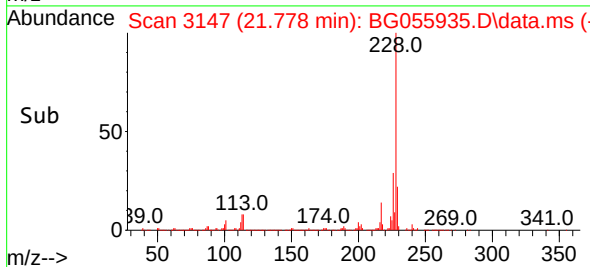
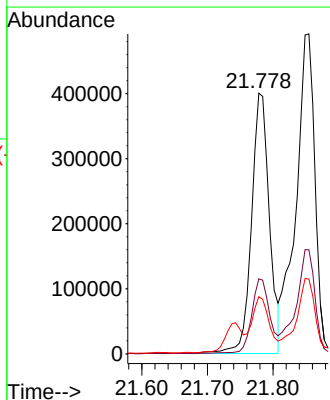
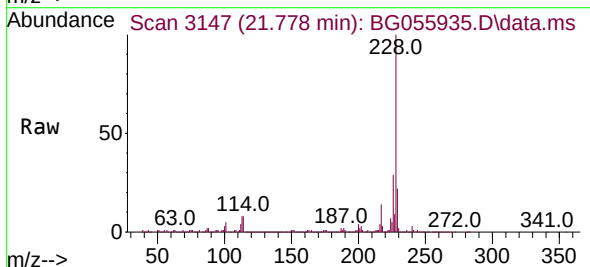
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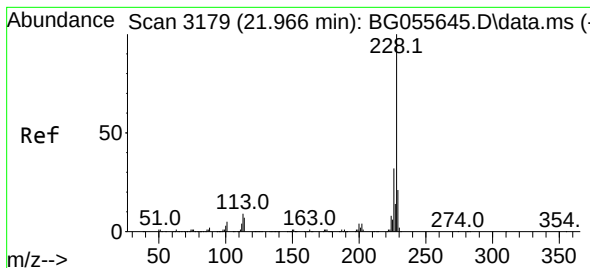
Reviewed By :Christian Giraldo 12/09/2022
Supervised By :mohammad ahmed 12/14/2022



#81
Benzo(a)anthracene
Concen: 53.559 ng
RT: 21.778 min Scan# 3147
Delta R.T. -0.005 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

Tgt Ion:228 Resp: 756301
Ion Ratio Lower Upper
228 100
226 28.8 22.7 34.1
229 21.9 16.5 24.7





#83

Chrysene

Concen: 74.038 ng

RT: 21.855 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG055935.D

Acq: 8 Dec 2022 20:08

Instrument :

BNA_G

ClientSampleId :

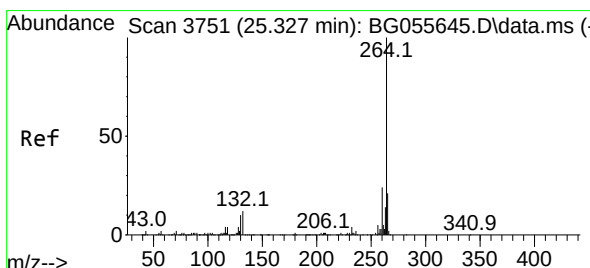
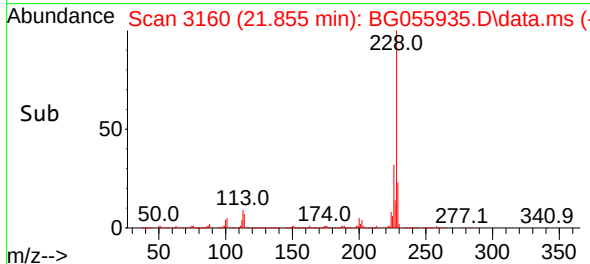
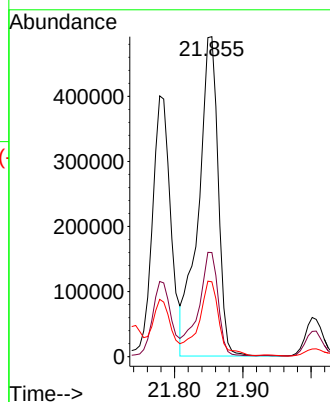
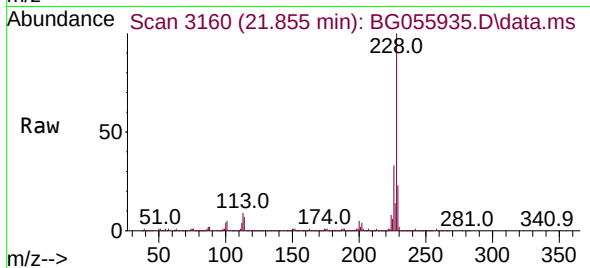
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Tgt Ion:228 Resp: 995291
 Ion Ratio Lower Upper
 228 100
 226 32.5 25.4 38.2
 229 23.4 17.1 25.7

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 Supervised By :mohammad ahmed 12/14/2022



#86

Perylene-d12

Concen: 20.000 ng

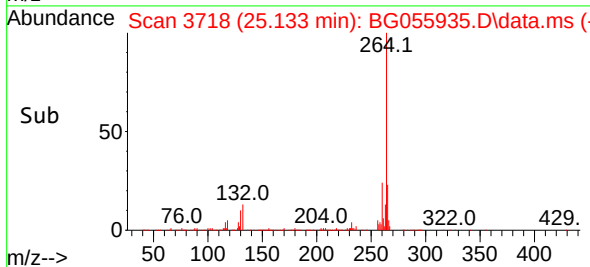
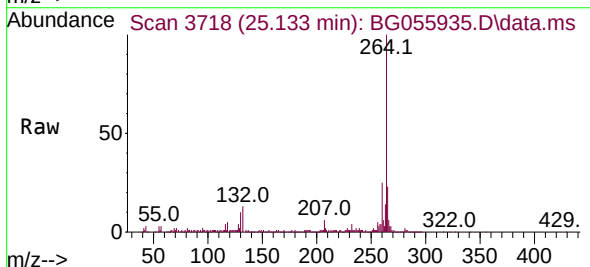
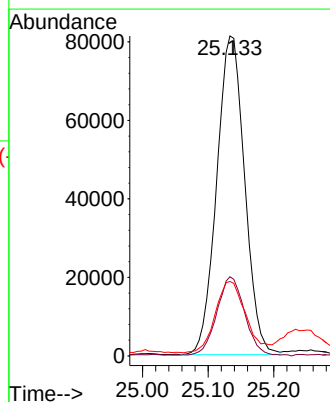
RT: 25.133 min Scan# 3718

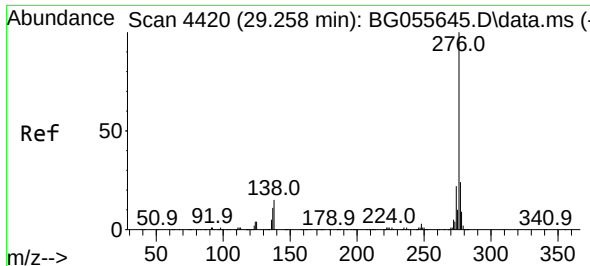
Delta R.T. 0.001 min

Lab File: BG055935.D

Acq: 8 Dec 2022 20:08

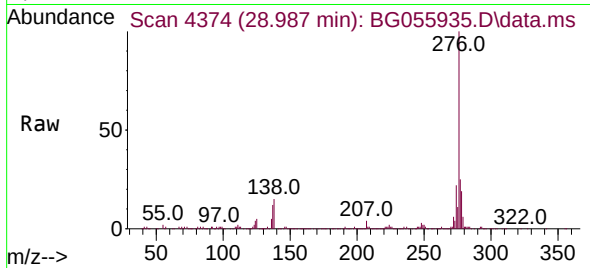
Tgt Ion:264 Resp: 240662
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 23.3 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 31.054 ng
RT: 28.987 min Scan# 4374
Delta R.T. 0.007 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

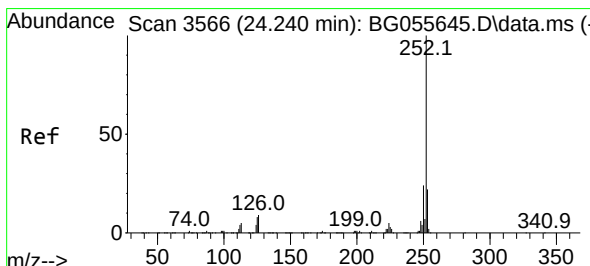
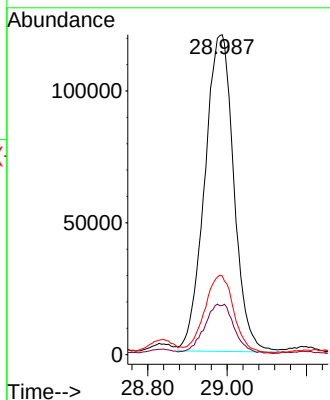
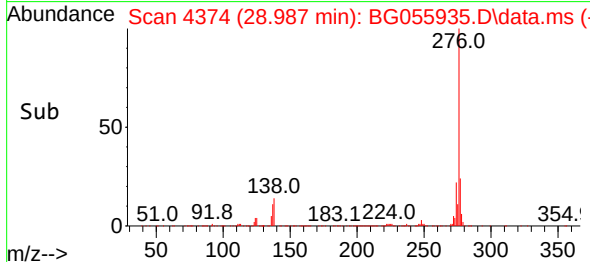
Instrument :
BNA_G
ClientSampleId :
OK-01-120722



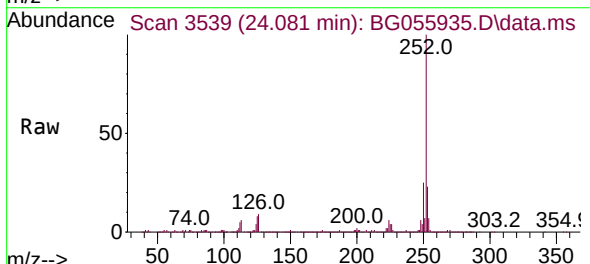
Tgt Ion:276 Resp: 612252
Ion Ratio Lower Upper
276 100
138 15.8 10.4 15.6
277 24.3 20.2 30.4

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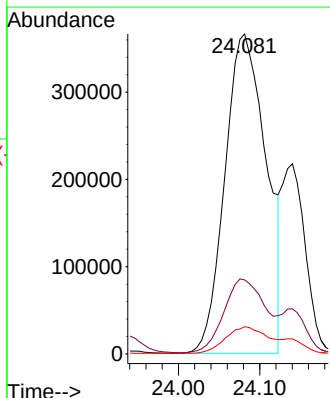
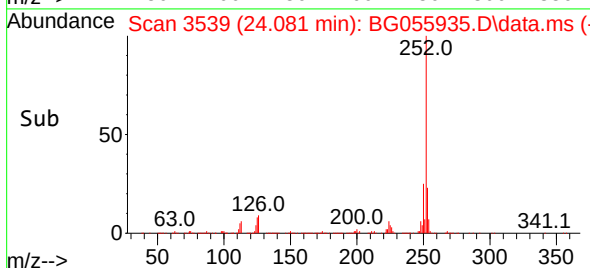
Reviewed By :Christian Giraldo 12/09/2022
Supervised By :mohammad ahmed 12/14/2022

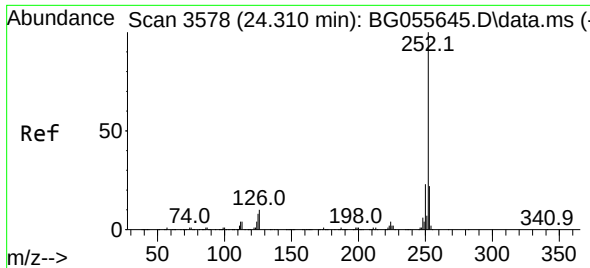


#88
Benzo(b)fluoranthene
Concen: 82.545 ng
RT: 24.081 min Scan# 3539
Delta R.T. 0.013 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08



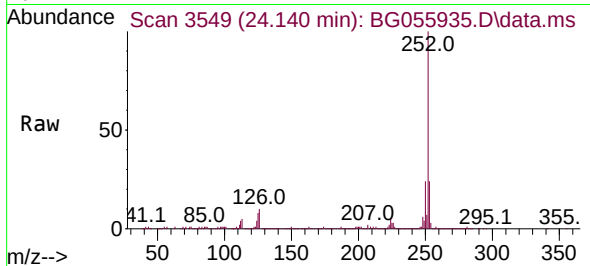
Tgt Ion:252 Resp: 1293750
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 8.5 6.2 9.2





#89
Benzo(k)fluoranthene
Concen: 27.593 ng m
RT: 24.140 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

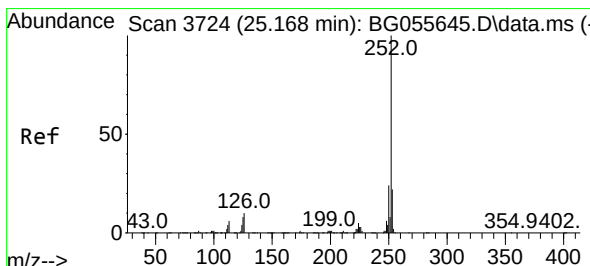
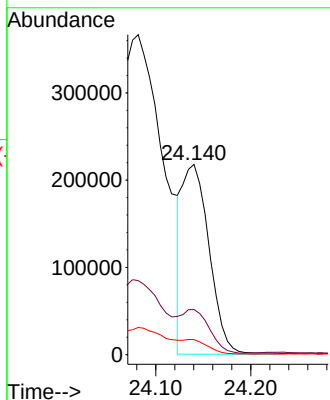
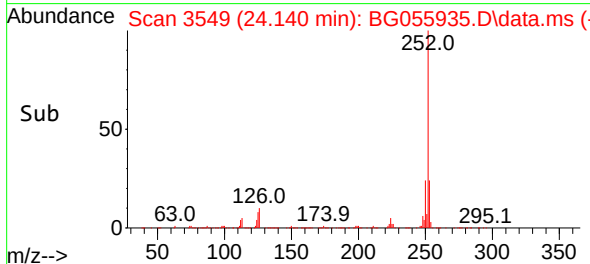
Instrument :
BNA_G
ClientSampleId :
OK-01-120722



Tgt Ion:252 Resp: 431088
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 7.9 6.1 9.1

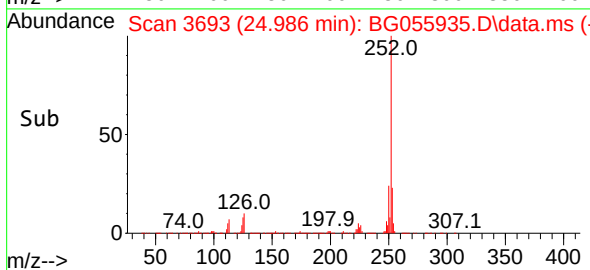
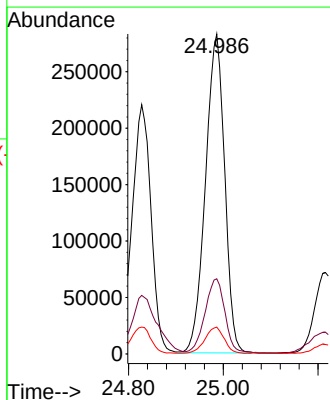
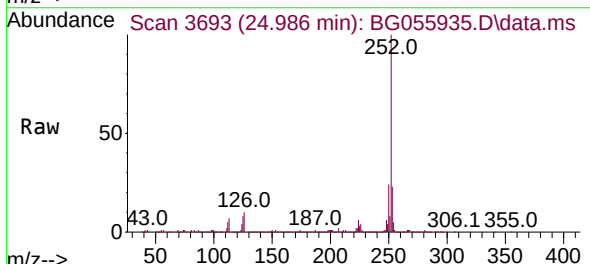
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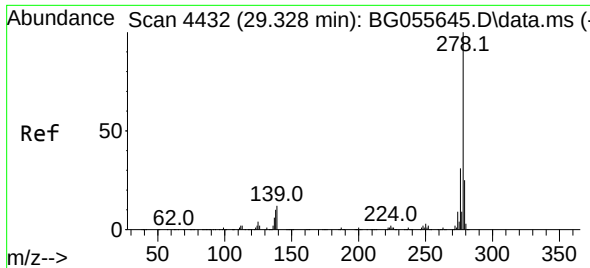
Reviewed By :Christian Giraldo 12/09/2022
Supervised By :mohammad ahmed 12/14/2022



#90
Benzo(a)pyrene
Concen: 59.104 ng
RT: 24.986 min Scan# 3693
Delta R.T. 0.007 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

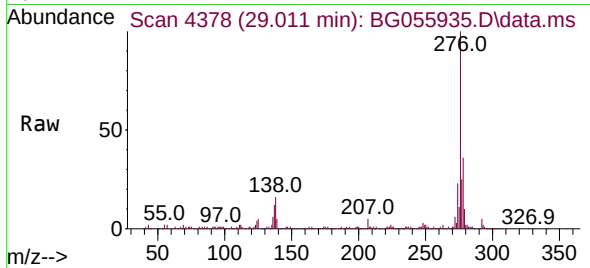
Tgt Ion:252 Resp: 794923
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 8.4 6.4 9.6





#91
Dibenzo(a,h)anthracene
Concen: 9.205 ng
RT: 29.011 min Scan# 4378
Delta R.T. -0.017 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08

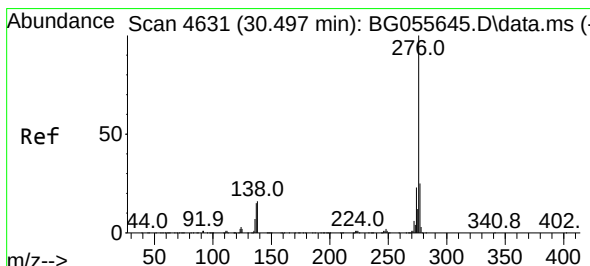
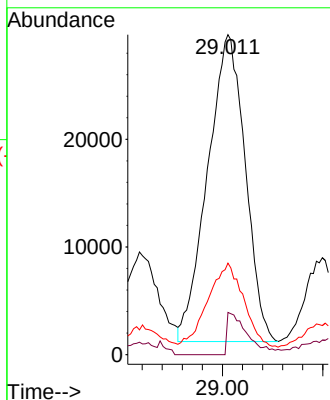
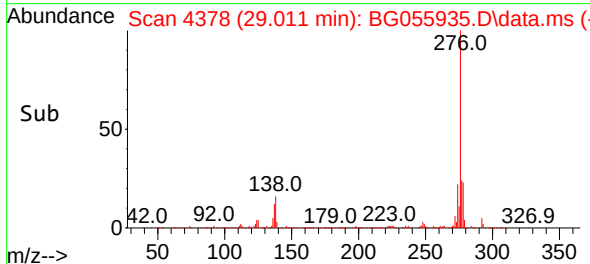
Instrument :
BNA_G
ClientSampleId :
OK-01-120722



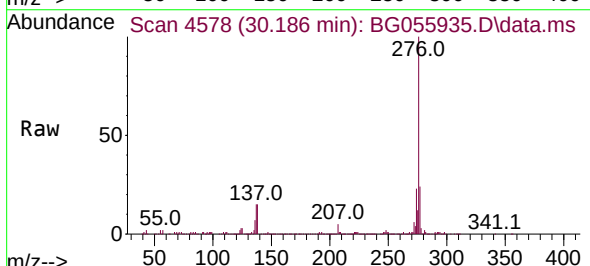
Tgt Ion:278 Resp: 148305
Ion Ratio Lower Upper
278 100
139 13.2 9.8 14.8
279 28.6 19.8 29.6

Manual Integrations
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Reviewed By :Christian Giraldo 12/09/2022
Supervised By :mohammad ahmed 12/14/2022



#92
Benzo(g,h,i)perylene
Concen: 35.948 ng
RT: 30.186 min Scan# 4578
Delta R.T. 0.001 min
Lab File: BG055935.D
Acq: 8 Dec 2022 20:08



Tgt Ion:276 Resp: 583735
Ion Ratio Lower Upper
276 100
277 23.6 19.8 29.6
138 15.4 13.1 19.7

