

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102422\
 Data File : BG055266.D
 Acq On : 24 Oct 2022 21:33
 Operator : CG/JU
 Sample : N5222-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-12

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022

Quant Time: Oct 25 01:22:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.274	152	42510	20.000	ng	0.00
21) Naphthalene-d8	11.111	136	174756	20.000	ng	0.00
39) Acenaphthene-d10	14.883	164	110995	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	235299	20.000	ng	0.00
76) Chrysene-d12	21.893	240	223620	20.000	ng	0.00
86) Perylene-d12	25.283	264	236407	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	183169	75.447	ng	0.00
7) Phenol-d6	7.410	99	150545	42.801	ng	0.00
23) Nitrobenzene-d5	9.449	82	345056	100.825	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	192308	159.378	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	721055	106.328	ng	0.00
79) Terphenyl-d14	20.189	244	1041655	96.782	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.188	128	6429851	689.702	ng	# 82
37) 2-Methylnaphthalene	12.745	142	1442218	214.567	ng	98
38) 1-Methylnaphthalene	12.968	142	2303683m	347.403	ng	
46) 1,1'-Biphenyl	13.726	154	518907	68.163	ng	98
49) Acenaphthylene	14.607	152	52484	5.065	ng	# 61
52) Acenaphthene	14.948	154	504127	76.318	ng	100
55) Dibenzofuran	15.277	168	34173	3.448	ng	# 95
58) Fluorene	15.923	166	239407	29.034	ng	98
71) Phenanthrene	17.663	178	531983	42.394	ng	99
72) Anthracene	17.751	178	105867	8.630	ng	98
73) Carbazole	18.009	167	29063	2.463	ng	98
78) Pyrene	20.007	202	55894	3.647	ng	99

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

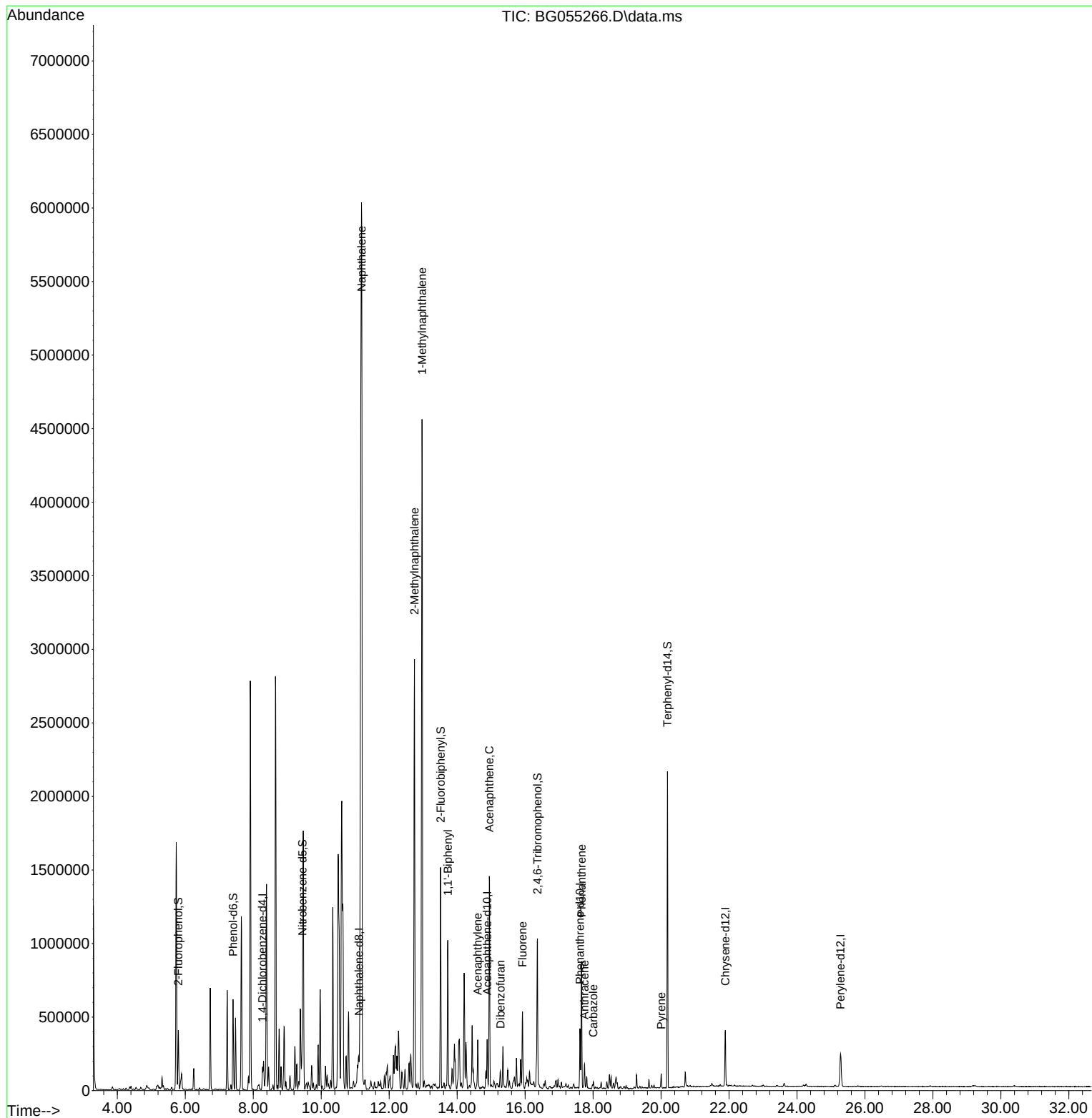
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102422\
Data File : BG055266.D
Acq On : 24 Oct 2022 21:33
Operator : CG/JU
Sample : N5222-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

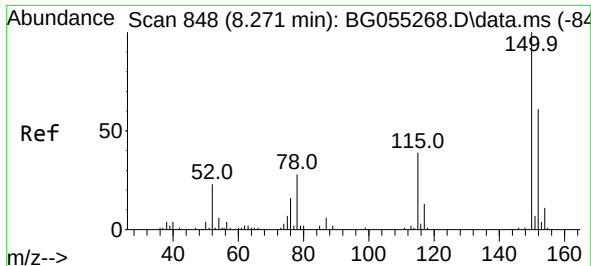
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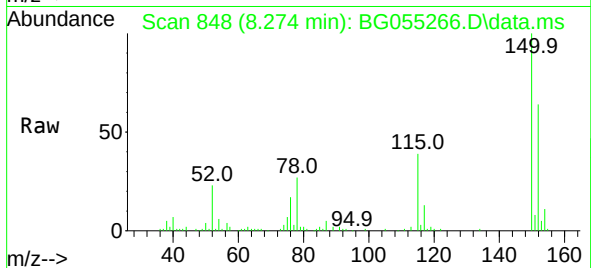
Quant Time: Oct 25 01:22:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.274 min Scan# 848
Delta R.T. -0.002 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

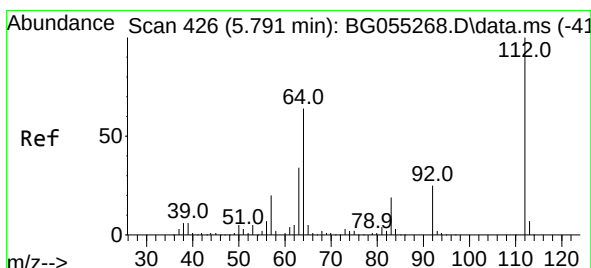
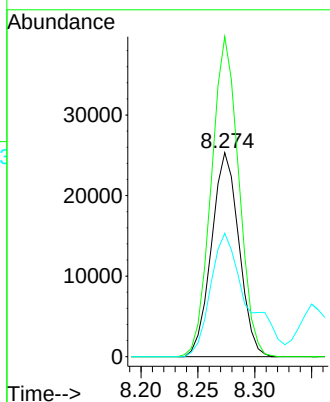
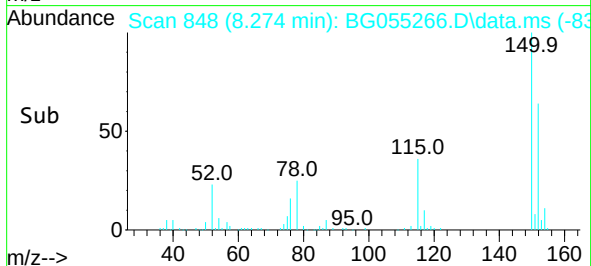
Instrument :
BNA_G
ClientSampleId :
MW-12



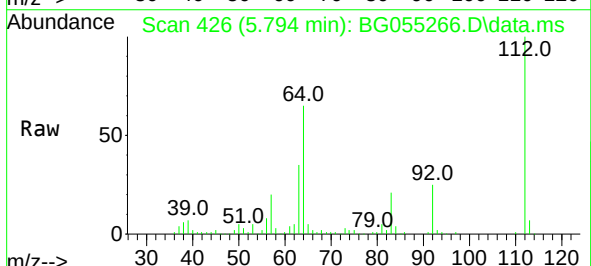
Tgt Ion:152 Resp: 42510
Ion Ratio Lower Upper
152 100
150 156.8 118.2 177.4
115 60.4 44.5 66.7

Manual Integrations
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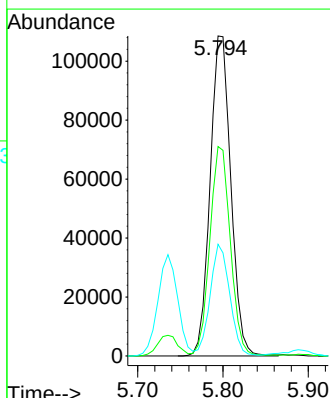
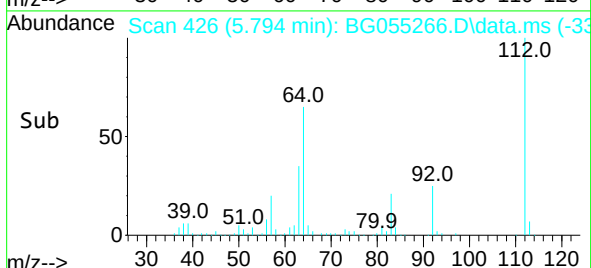
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

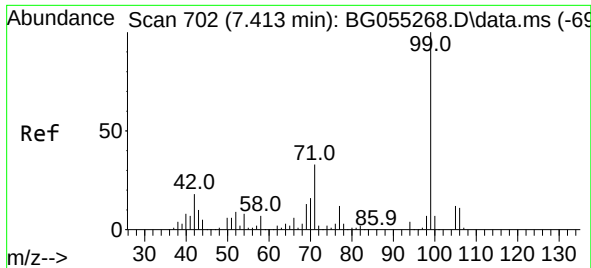


#5
2-Fluorophenol
Concen: 75.447 ng
RT: 5.794 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33



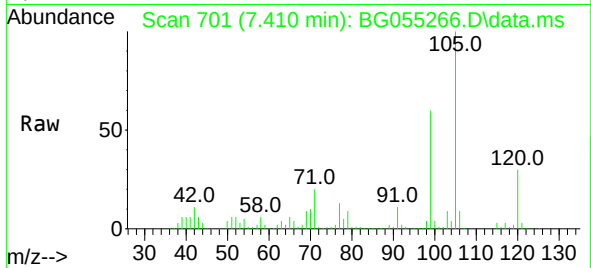
Tgt Ion:112 Resp: 183169
Ion Ratio Lower Upper
112 100
64 65.5 52.6 78.8
63 34.9 27.1 40.7





#7
Phenol-d6
Concen: 42.801 ng
RT: 7.410 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

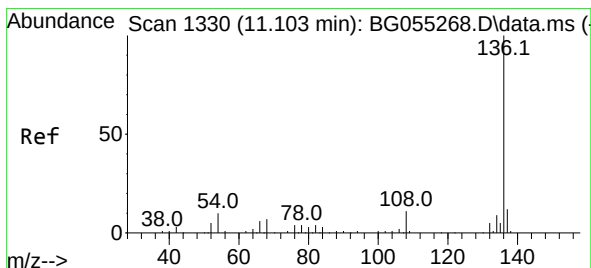
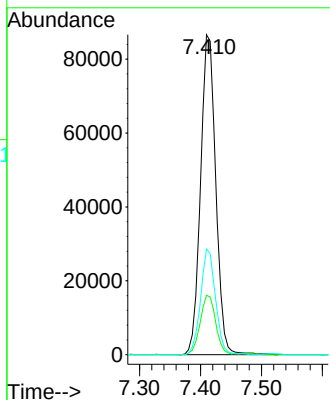
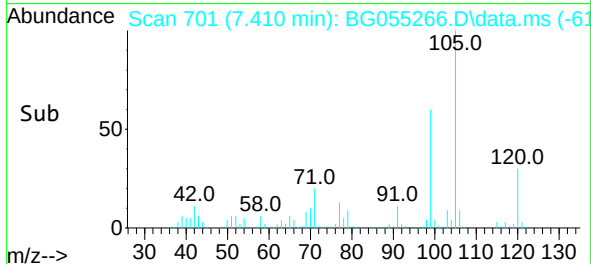
Instrument :
BNA_G
ClientSampleId :
MW-12



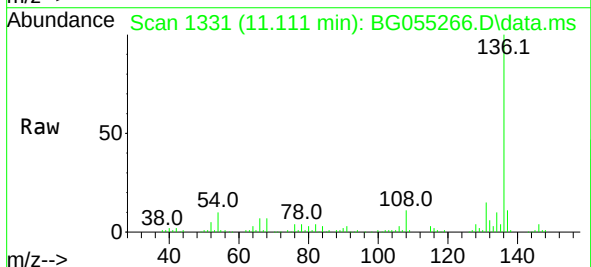
Tgt Ion: 99 Resp: 15054
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 33.0 26.2 39.4

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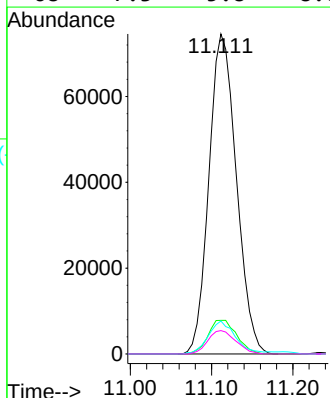
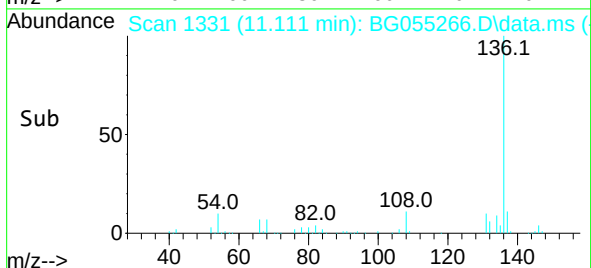
Reviewed By :Christian Giraldo 10/25/2022
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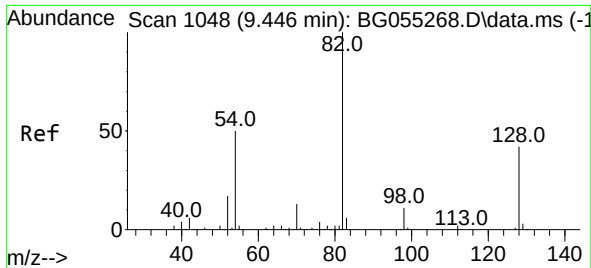


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.111 min Scan# 1331
Delta R.T. 0.009 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33



Tgt Ion:136 Resp: 174756
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 10.3 7.8 11.8
68 7.3 5.8 8.6





#23
Nitrobenzene-d5
Concen: 100.825 ng
RT: 9.449 min Scan# 1048
Delta R.T. 0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Instrument :

BNA_G

ClientSampleId :

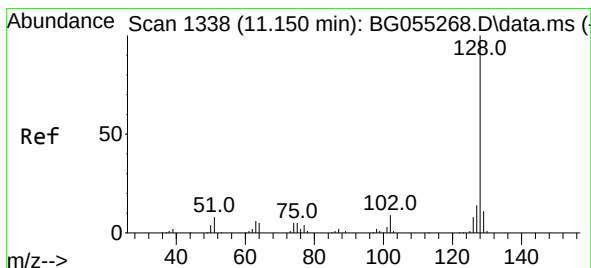
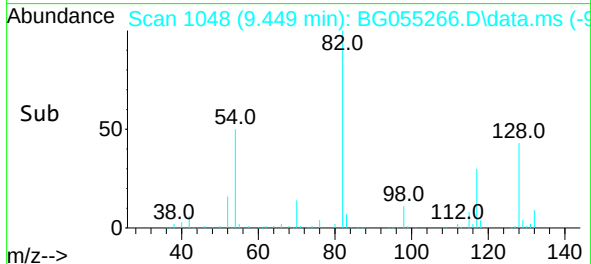
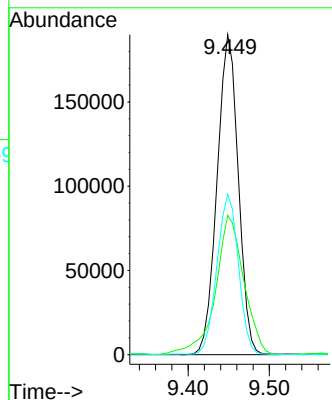
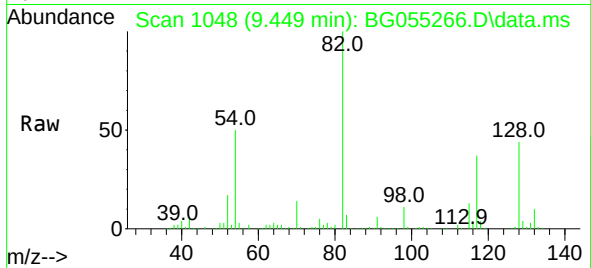
MW-12

Tgt Ion: 82 Resp: 345050
Ion Ratio Lower Upper
82 100
128 43.5 32.0 48.0
54 50.2 40.9 61.3

Manual Integrations

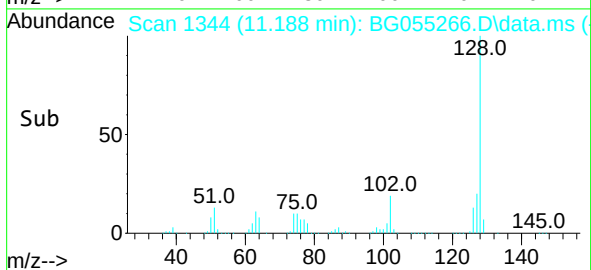
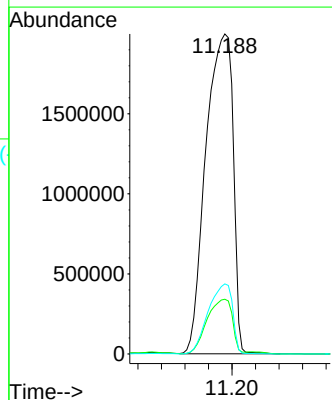
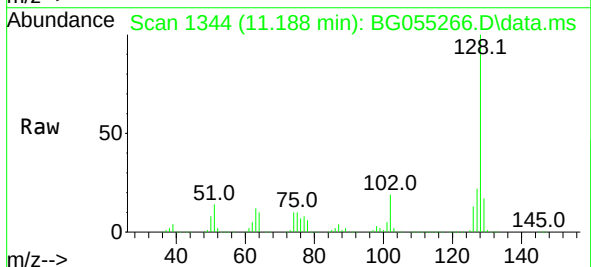
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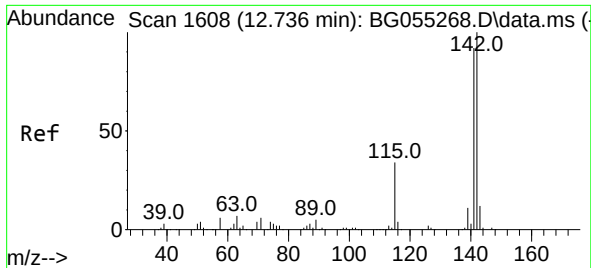
Reviewed By :Christian Giraldo 10/25/2022
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#31
Naphthalene
Concen: 689.702 ng
RT: 11.188 min Scan# 1344
Delta R.T. 0.033 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:128 Resp: 6429851
Ion Ratio Lower Upper
128 100
129 17.1 9.0 13.6#
127 21.9 11.1 16.7#





#37

2-Methylnaphthalene

Concen: 214.567 ng

RT: 12.745 min Scan# 1

Delta R.T. 0.009 min

Lab File: BG055266.D

Acq: 24 Oct 2022 21:33

Instrument :

BNA_G

ClientSampleId :

MW-12

Tgt Ion:142 Resp: 1442218

Ion Ratio Lower Upper

142 100

141 93.0 74.0 111.0

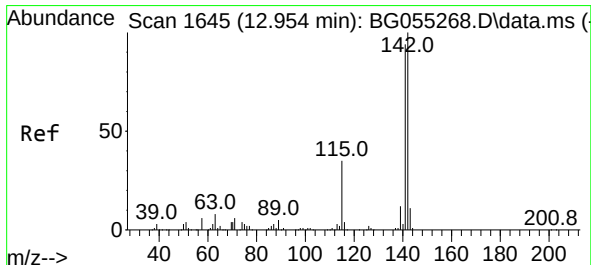
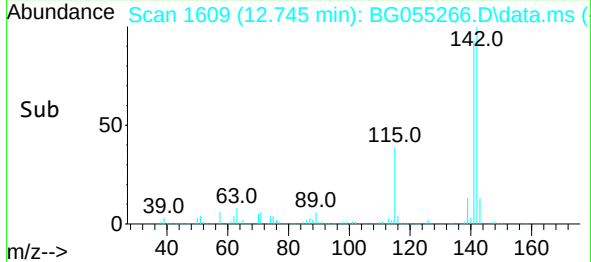
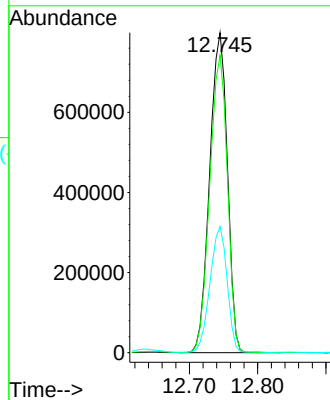
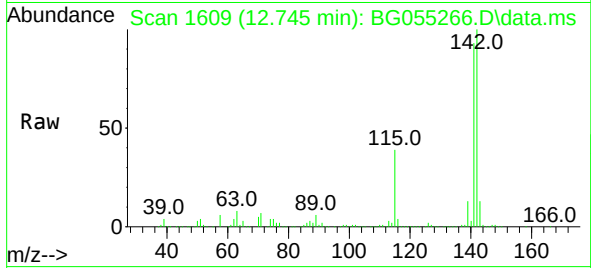
115 39.4 28.3 42.5

Manual Integrations

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Supervised By :mohammad ahmed 10/27/2022



#38

1-Methylnaphthalene

Concen: 347.403 ng m

RT: 12.968 min Scan# 1647

Delta R.T. 0.015 min

Lab File: BG055266.D

Acq: 24 Oct 2022 21:33

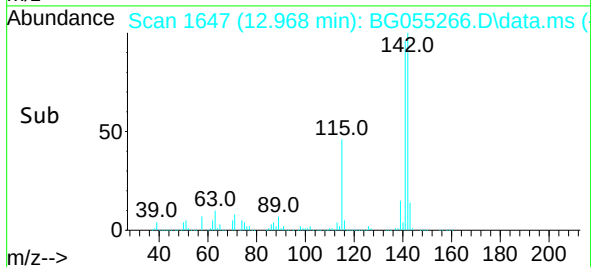
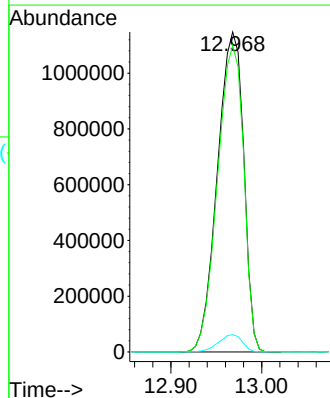
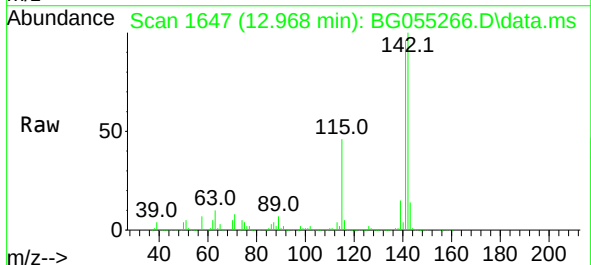
Tgt Ion:142 Resp: 2303683

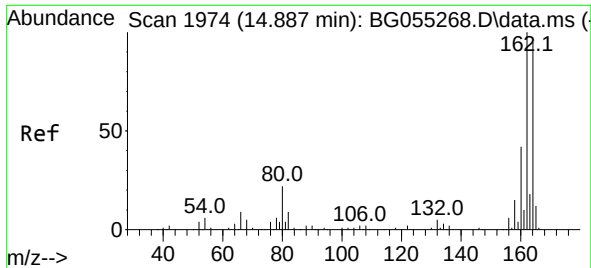
Ion Ratio Lower Upper

142 100

141 95.8 77.1 115.7

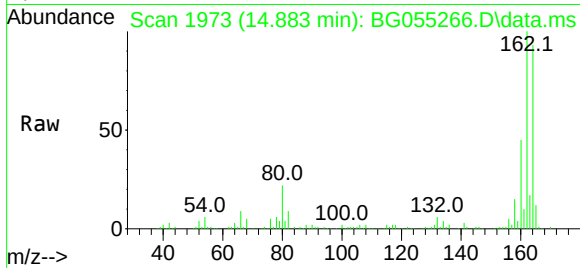
116 5.4 3.0 4.6#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.883 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

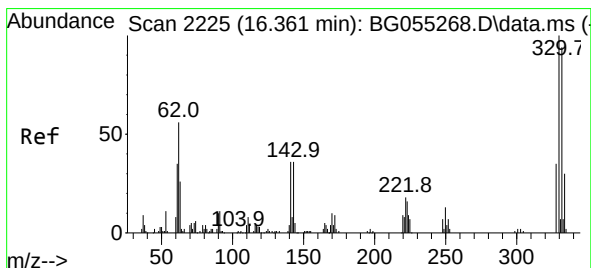
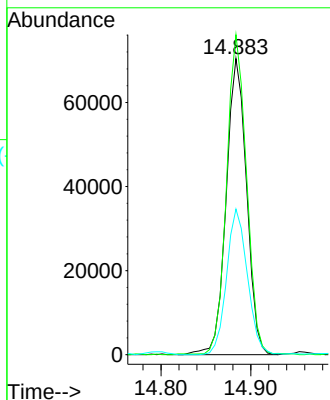
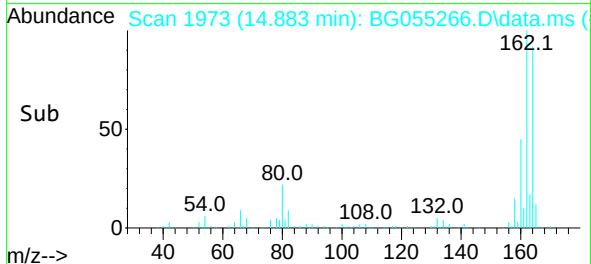
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ClientSampleId :
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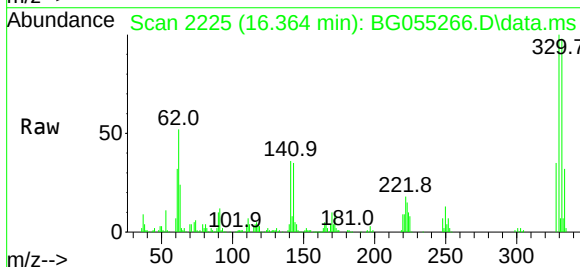
Tgt Ion:164 Resp: 11099
Ion Ratio Lower Upper
164 100
162 108.1 84.0 126.0
160 49.2 36.7 55.1

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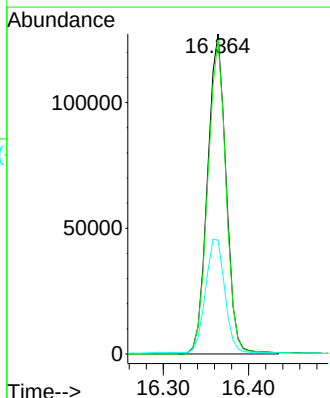
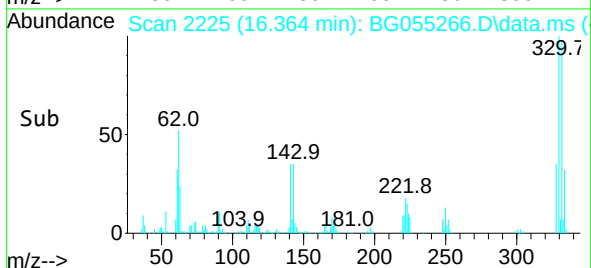
Reviewed By :Christian Giraldo 10/25/2022
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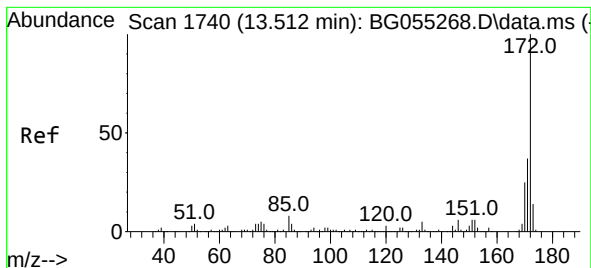


#42
2,4,6-Tribromophenol
Concen: 159.378 ng
RT: 16.364 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33



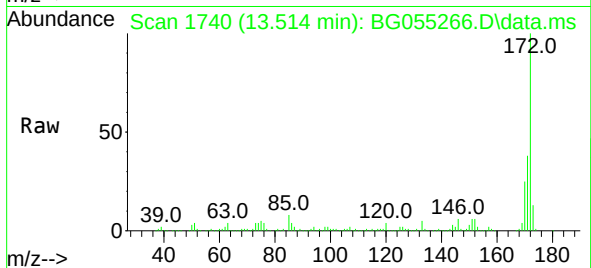
Tgt Ion:330 Resp: 192308
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 37.2 29.8 44.8





#45
2-Fluorobiphenyl
Concen: 106.328 ng
RT: 13.514 min Scan# 1740
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

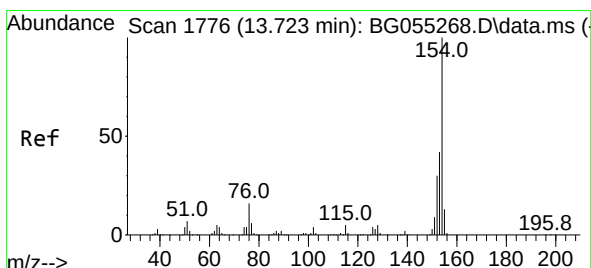
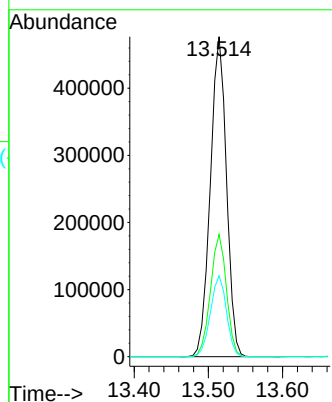
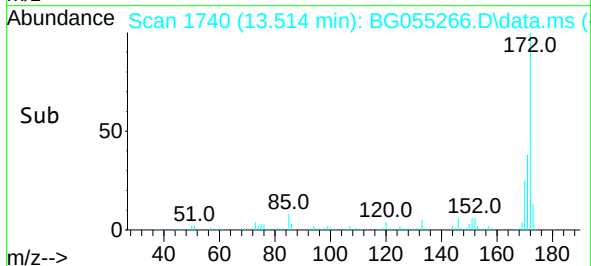
Instrument :
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ClientSampleId :
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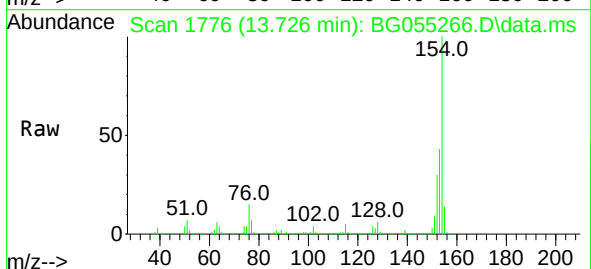
Tgt Ion:172 Resp: 72105
Ion Ratio Lower Upper
172 100
171 38.2 29.7 44.5
170 25.3 20.2 30.2

Manual Integrations
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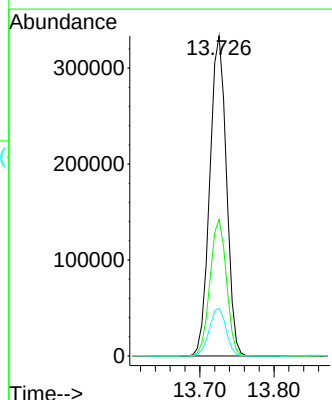
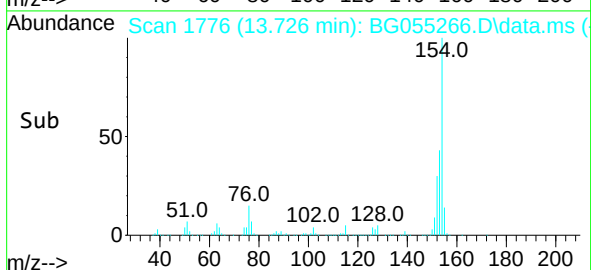
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

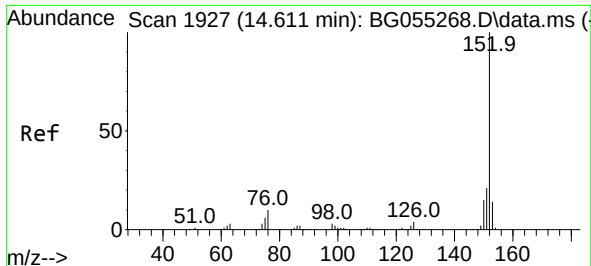


#46
1,1'-Biphenyl
Concen: 68.163 ng
RT: 13.726 min Scan# 1776
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33



Tgt Ion:154 Resp: 518907
Ion Ratio Lower Upper
154 100
153 42.7 21.5 61.5
76 14.9 0.0 34.2





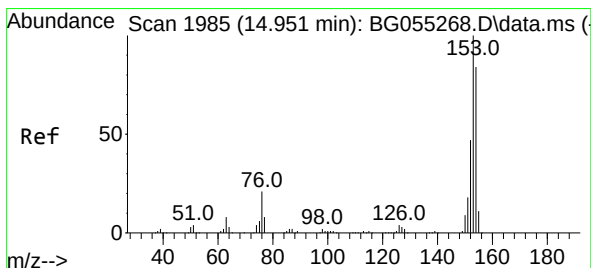
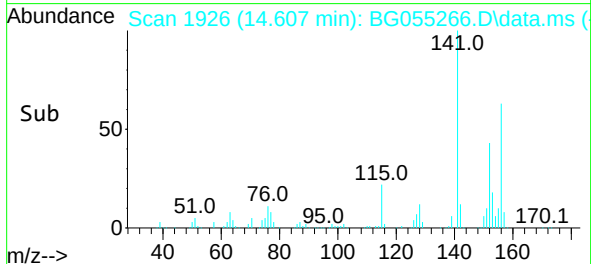
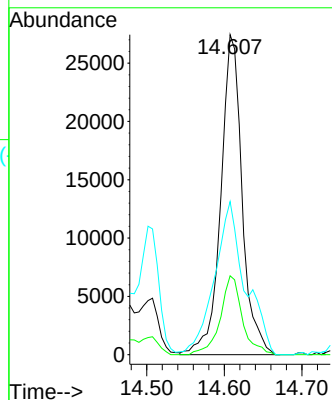
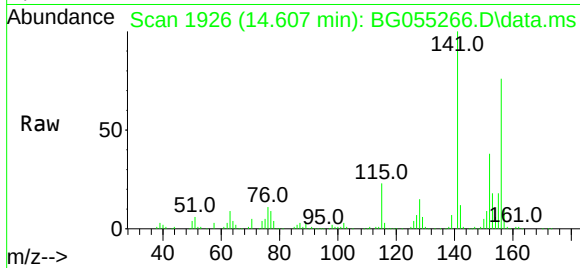
#49
Acenaphthylene
Concen: 5.065 ng
RT: 14.607 min Scan# 1926
Delta R.T. -0.009 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:152 Resp: 52484
Ion Ratio Lower Upper
152 100
151 24.6 16.6 25.0
153 47.8 10.5 15.7

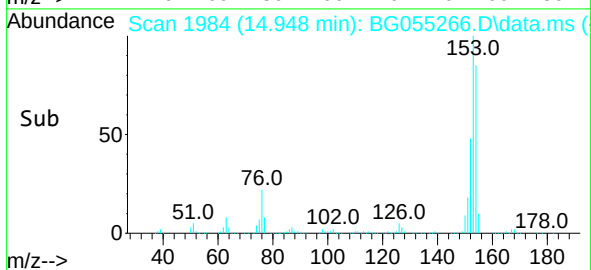
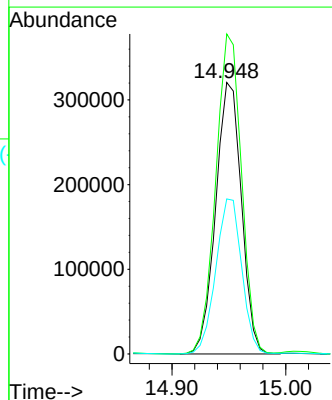
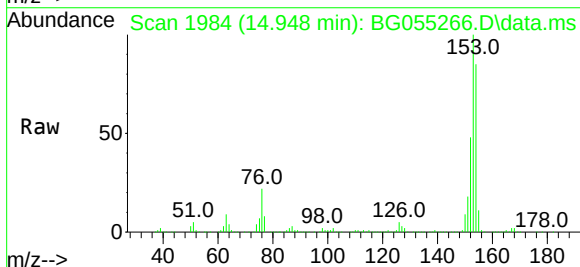
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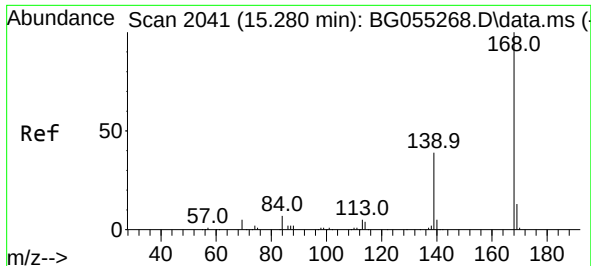
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#52
Acenaphthene
Concen: 76.318 ng
RT: 14.948 min Scan# 1984
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

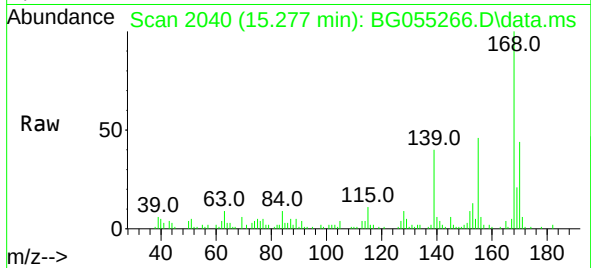
Tgt Ion:154 Resp: 504127
Ion Ratio Lower Upper
154 100
153 117.9 94.3 141.5
152 57.1 45.3 67.9





#55
Dibenzenofuran
Concen: 3.448 ng
RT: 15.277 min Scan# 2041
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

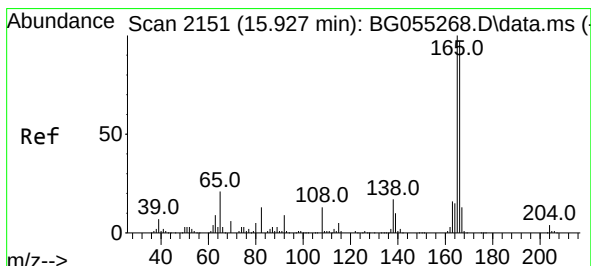
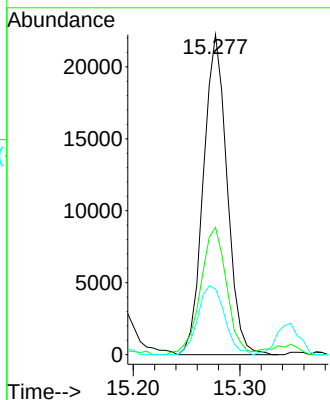
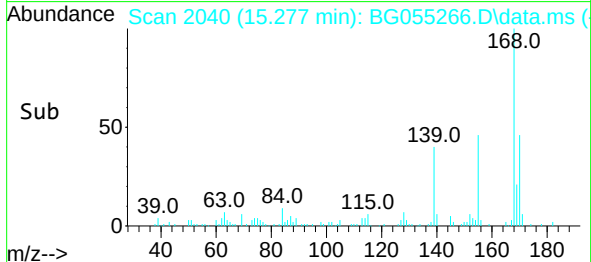
Instrument :
BNA_G
ClientSampleId :
MW-12



Tgt Ion:168 Resp: 3417
Ion Ratio Lower Upper
168 100
139 39.8 31.6 47.4
169 20.6 11.0 16.4

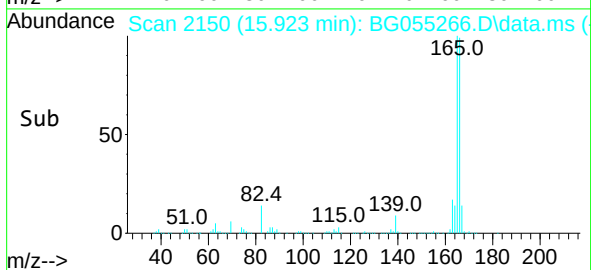
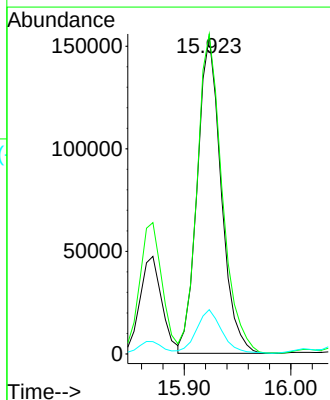
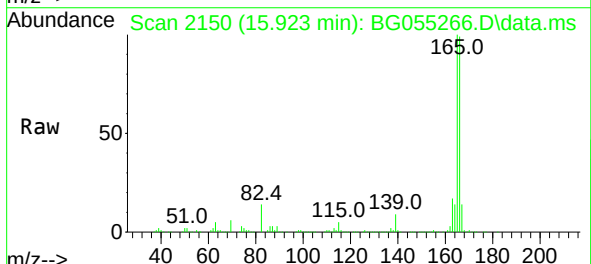
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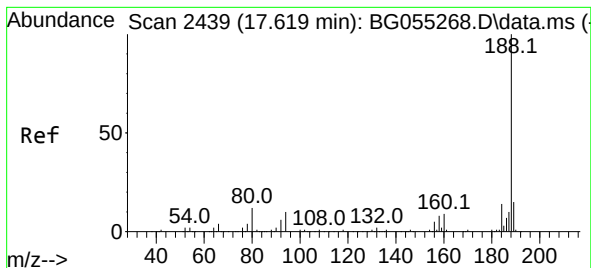
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#58
Fluorene
Concen: 29.034 ng
RT: 15.923 min Scan# 2150
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

Tgt Ion:166 Resp: 239407
Ion Ratio Lower Upper
166 100
165 100.8 82.4 123.6
167 14.0 11.5 17.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.616 min Scan# 2439

Delta R.T. -0.002 min

Lab File: BG055266.D

Acq: 24 Oct 2022 21:33

Instrument :

BNA_G

ClientSampleId :

MW-12

Tgt Ion:188 Resp: 23529

Ion Ratio Lower Upper

188 100

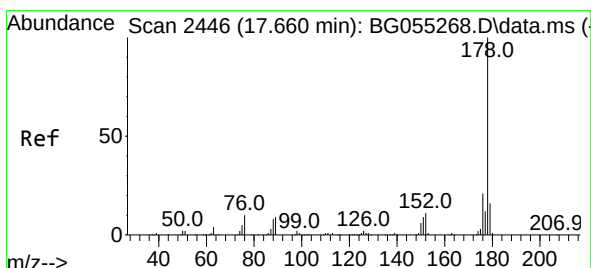
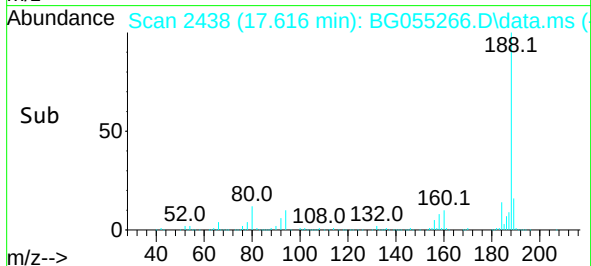
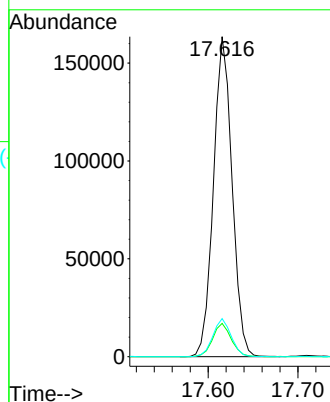
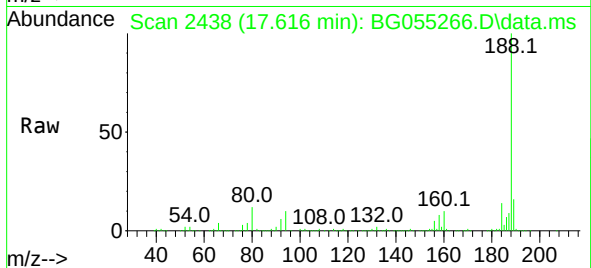
94 10.4 8.2 12.4

80 11.9 10.1 15.1

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Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#71

Phenanthrene

Concen: 42.394 ng

RT: 17.663 min Scan# 2446

Delta R.T. -0.003 min

Lab File: BG055266.D

Acq: 24 Oct 2022 21:33

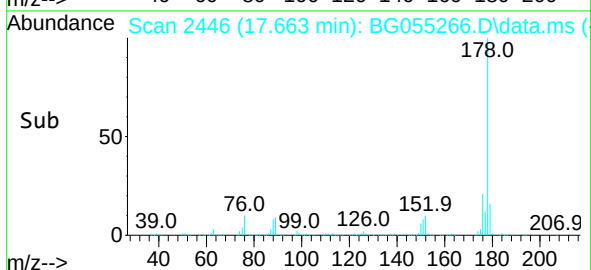
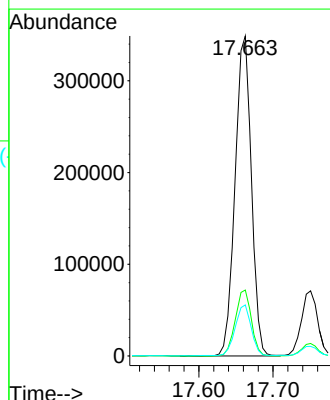
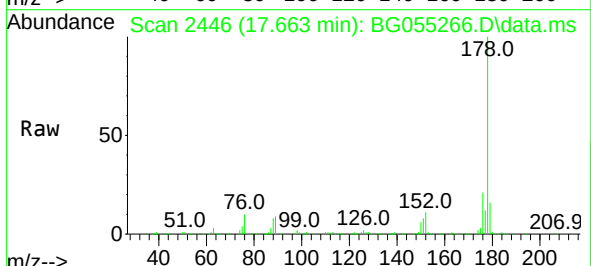
Tgt Ion:178 Resp: 531983

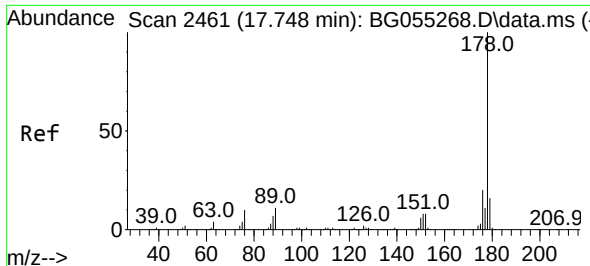
Ion Ratio Lower Upper

178 100

176 20.6 16.0 24.0

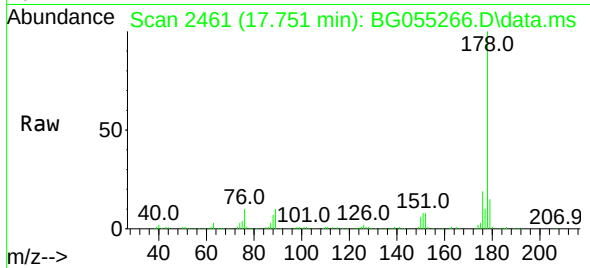
179 15.9 12.6 19.0





#72
 Anthracene
 Concen: 8.630 ng
 RT: 17.751 min Scan# 2461
 Delta R.T. -0.003 min
 Lab File: BG055266.D
 Acq: 24 Oct 2022 21:33

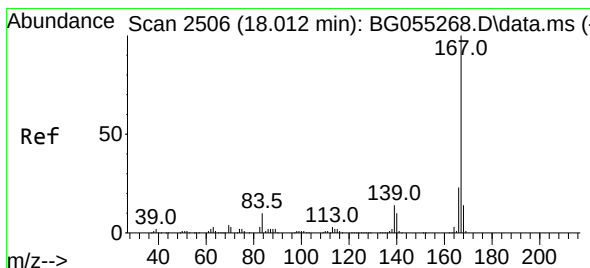
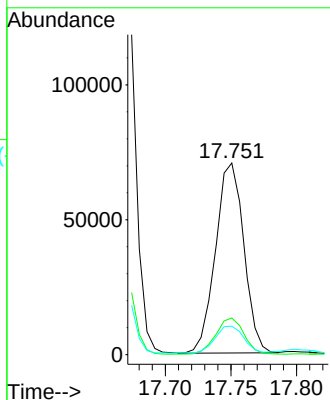
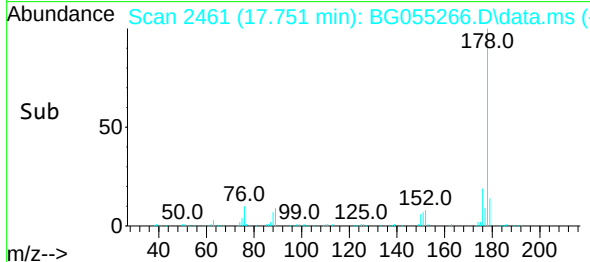
Instrument :
 BNA_G
 ClientSampleId :
 MW-12



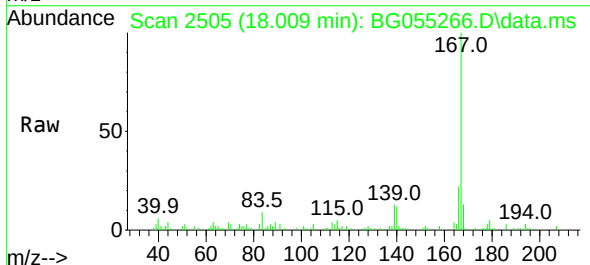
Tgt Ion:178 Resp: 10586
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.7 23.5
 179 14.9 12.9 19.3

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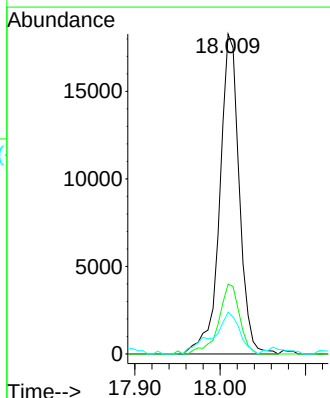
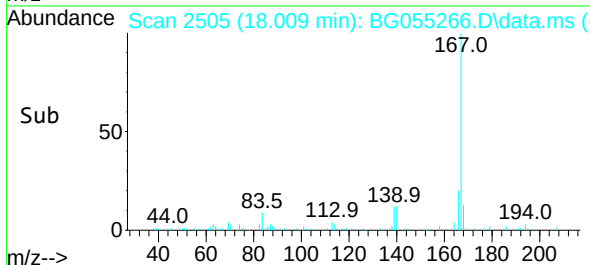
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022

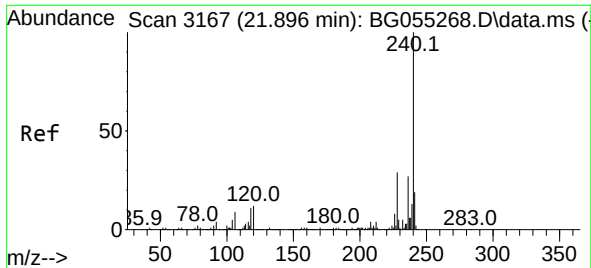


#73
 Carbazole
 Concen: 2.463 ng
 RT: 18.009 min Scan# 2505
 Delta R.T. -0.009 min
 Lab File: BG055266.D
 Acq: 24 Oct 2022 21:33



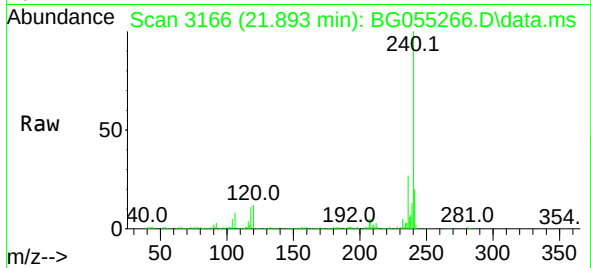
Tgt Ion:167 Resp: 29063
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.6 27.8
 139 13.1 10.9 16.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.893 min Scan# 3166
Delta R.T. -0.009 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33

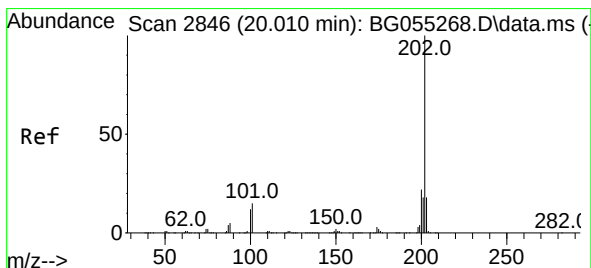
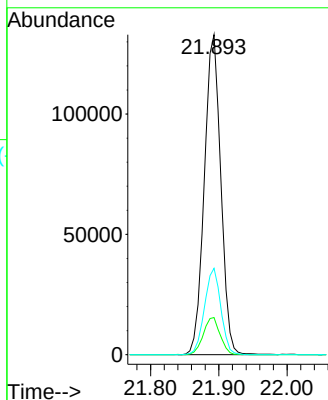
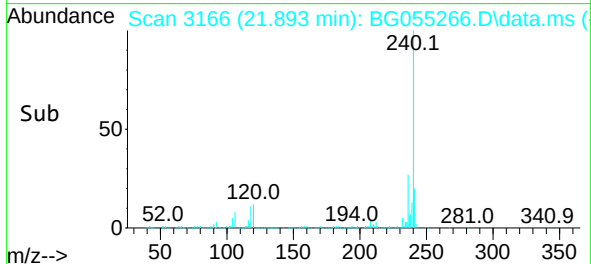
Instrument :
BNA_G
ClientSampleId :
MW-12



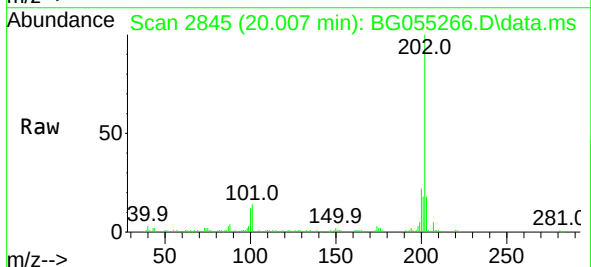
Tgt Ion:240 Resp: 223620
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 27.0 21.0 31.4

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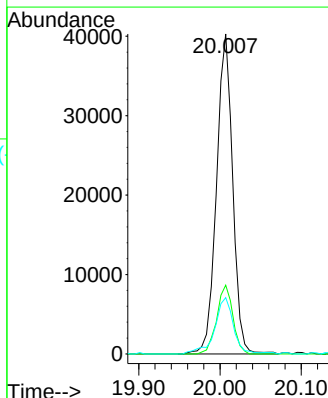
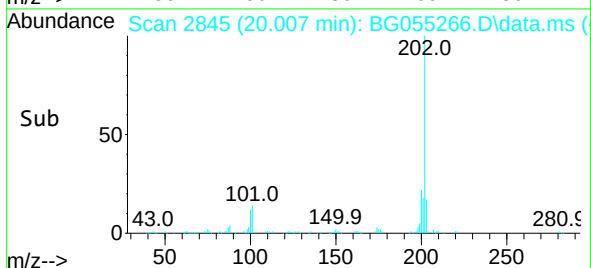
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

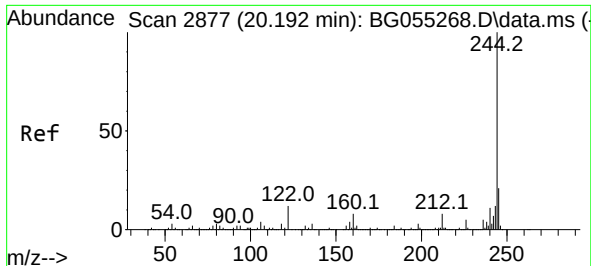


#78
Pyrene
Concen: 3.647 ng
RT: 20.007 min Scan# 2845
Delta R.T. -0.003 min
Lab File: BG055266.D
Acq: 24 Oct 2022 21:33



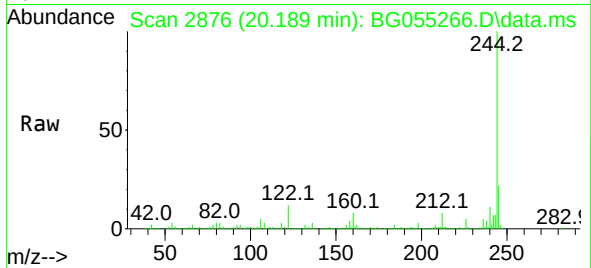
Tgt Ion:202 Resp: 55894
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 17.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 96.782 ng
 RT: 20.189 min Scan# 20189
 Delta R.T. -0.003 min
 Lab File: BG055266.D
 Acq: 24 Oct 2022 21:33

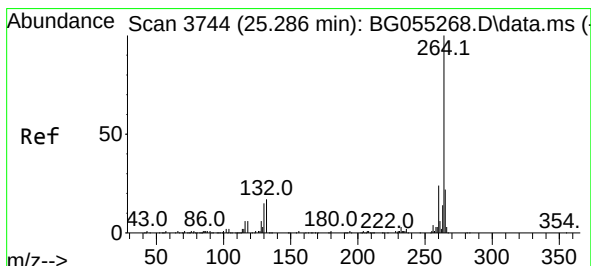
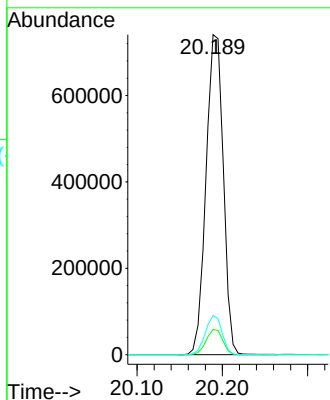
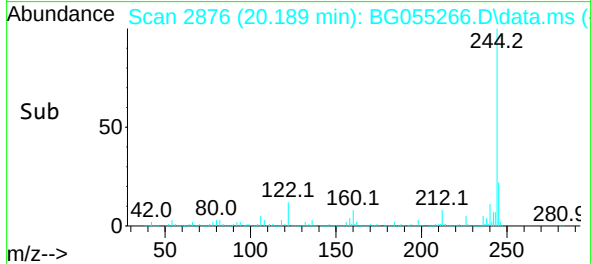
Instrument :
 BNA_G
 ClientSampleId :
 MW-12



Tgt Ion:244 Resp: 104165
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 12.2 9.6 14.4

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Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.283 min Scan# 3743
 Delta R.T. -0.009 min
 Lab File: BG055266.D
 Acq: 24 Oct 2022 21:33

Tgt Ion:264 Resp: 236407
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 21.4 17.4 26.2

