

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
 Data File : BG055070.D
 Acq On : 4 Oct 2022 19:38
 Operator : CG/JU
 Sample : N4907-05DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-232DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

Quant Time: Oct 04 20:18:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 07:12:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.346	152	35453	20.000	ng	0.00
21) Naphthalene-d8	11.172	136	151214	20.000	ng	0.00
39) Acenaphthene-d10	14.950	164	101933	20.000	ng	0.00
64) Phenanthrene-d10	17.682	188	213523	20.000	ng	0.00
76) Chrysene-d12	21.977	240	201712	20.000	ng	0.00
86) Perylene-d12	25.438	264	220776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	34820	21.815	ng	0.00
7) Phenol-d6	7.465	99	50970	21.312	ng	0.00
23) Nitrobenzene-d5	9.515	82	28665	11.327	ng	0.00
42) 2,4,6-Tribromophenol	16.419	330	21481	25.593	ng	0.00
45) 2-Fluorobiphenyl	13.581	172	75878	11.621	ng	0.00
79) Terphenyl-d14	20.256	244	113480	11.371	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.225	128	39529	4.953	ng	98
37) 2-Methylnaphthalene	12.806	142	15973	2.716	ng	96
38) 1-Methylnaphthalene	13.017	142	11756	2.055	ng	# 99
52) Acenaphthene	15.009	154	12951	2.237	ng	97
55) Dibenzofuran	15.344	168	33605	3.638	ng	99
58) Fluorene	15.990	166	46787	6.329	ng	98
71) Phenanthrene	17.723	178	351879	31.373	ng	99
72) Anthracene	17.817	178	70920	6.501	ng	99
73) Carbazole	18.076	167	36149	3.775	ng	98
75) Fluoranthene	19.715	202	347186	24.812	ng	98
78) Pyrene	20.074	202	278155	20.738	ng	99
81) Benzo(a)anthracene	21.960	228	137873	10.760	ng	98
83) Chrysene	22.030	228	117626	9.524	ng	98
87) Indeno(1,2,3-cd)pyrene	29.416	276	67335	4.226	ng	92
88) Benzo(b)fluoranthene	24.333	252	149837	11.519	ng	99
89) Benzo(k)fluoranthene	24.398	252	55733m	4.253	ng	
90) Benzo(a)pyrene	25.273	252	113372	10.169	ng	98
92) Benzo(g,h,i)perylene	30.661	276	61869	4.762	ng	94

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

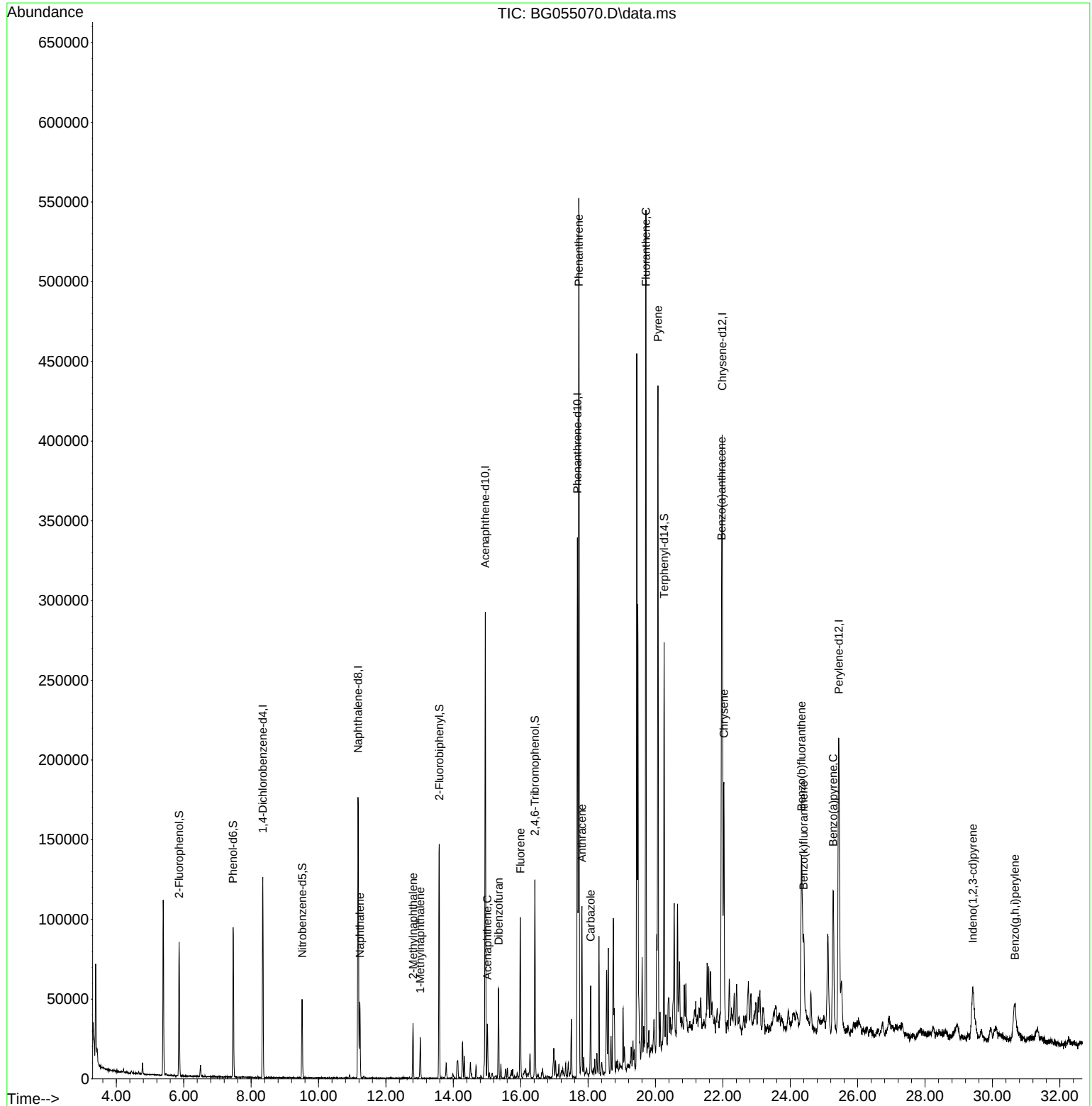
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
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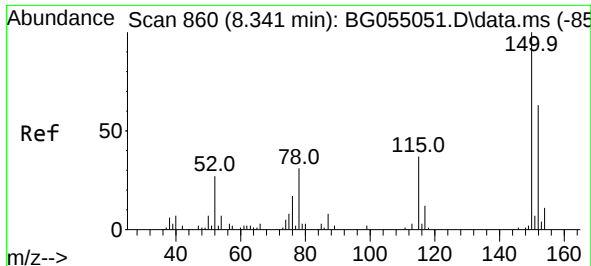
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Quant Time: Oct 04 20:18:25 2022
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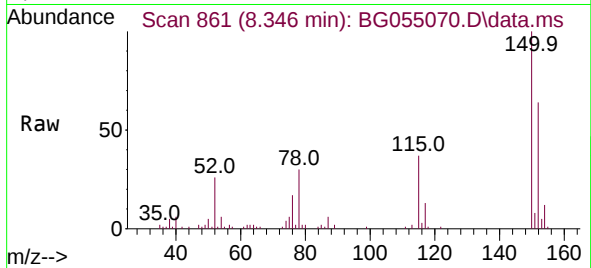
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.346 min Scan# 860
Delta R.T. 0.005 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

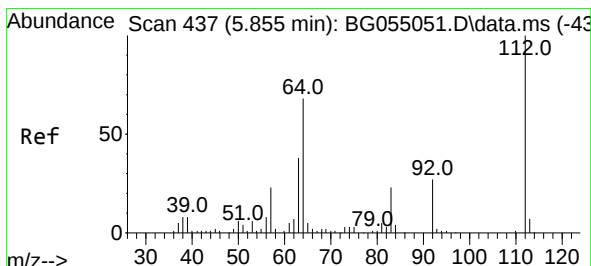
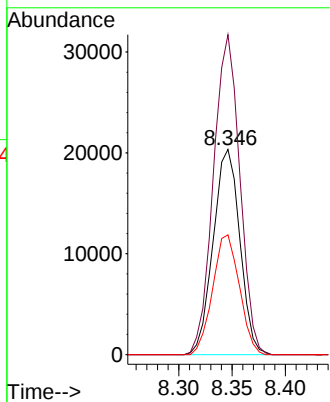
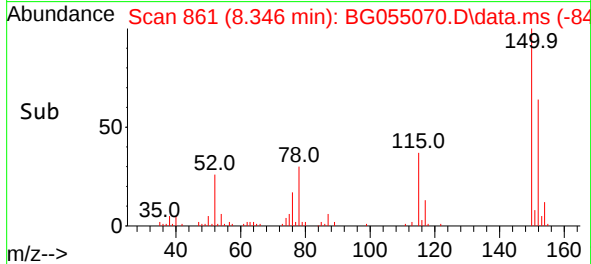
Instrument :
BNA_G
ClientSampleId :
VNJ-232DL



Tgt Ion:152 Resp: 35453
Ion Ratio Lower Upper
152 100
150 156.0 128.0 192.0
115 58.4 47.7 71.5

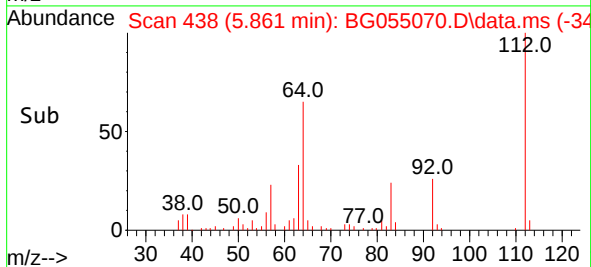
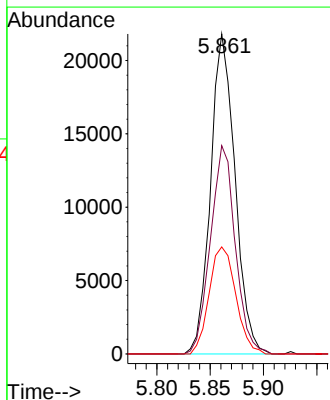
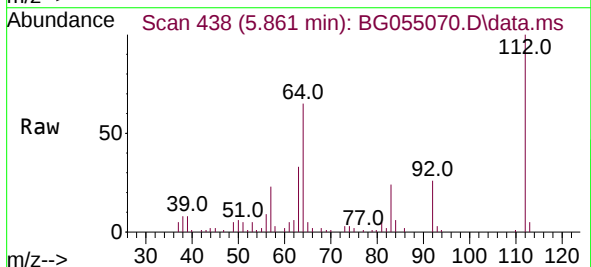
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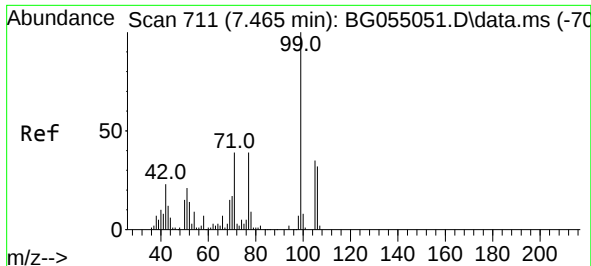
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#5
2-Fluorophenol
Concen: 21.815 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.006 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

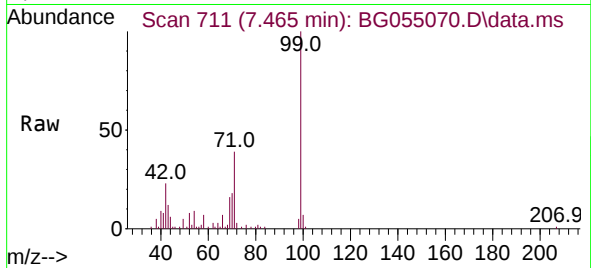
Tgt Ion:112 Resp: 34820
Ion Ratio Lower Upper
112 100
64 65.1 54.5 81.7
63 33.4 30.5 45.7





#7
Phenol-d6
Concen: 21.312 ng
RT: 7.465 min Scan# 711
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

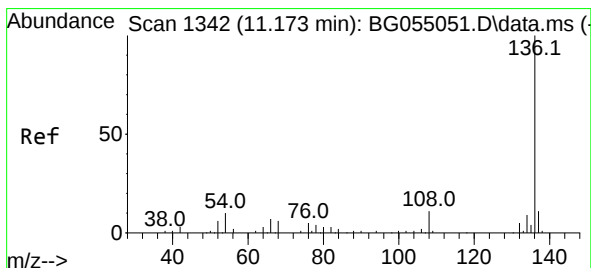
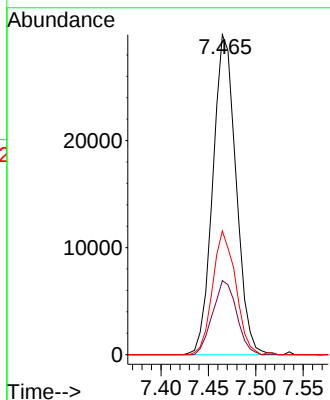
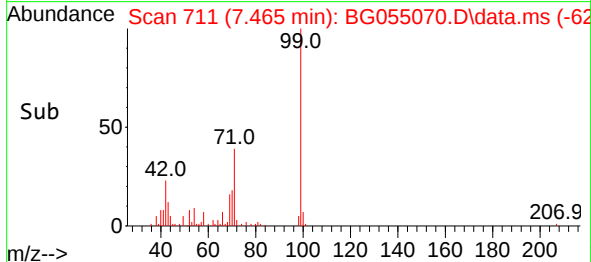
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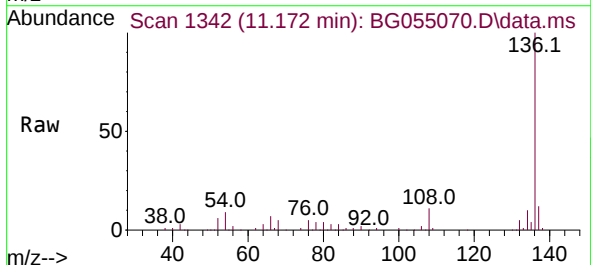
Tgt Ion: 99 Resp: 50970
Ion Ratio Lower Upper
99 100
42 23.1 18.6 28.0
71 38.6 31.2 46.8

Manual Integrations
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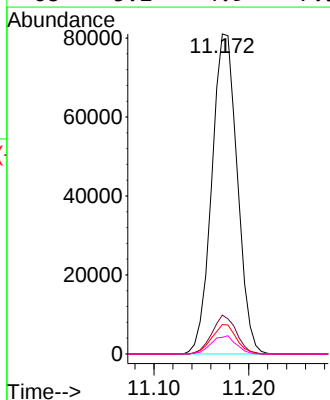
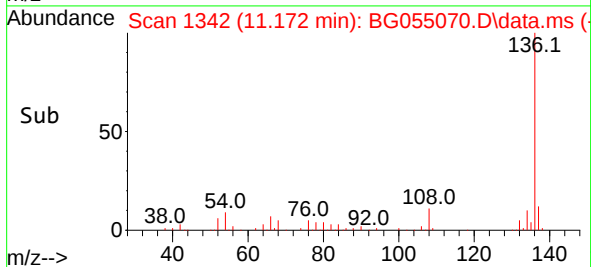
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

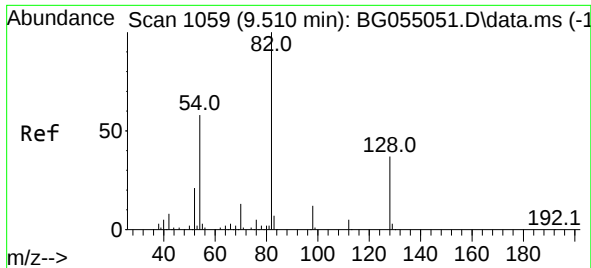


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.172 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38



Tgt Ion:136 Resp: 151214
Ion Ratio Lower Upper
136 100
137 12.1 8.7 13.1
54 9.2 8.2 12.4
68 5.2 4.9 7.3





#23
Nitrobenzene-d5
Concen: 11.327 ng
RT: 9.515 min Scan# 1059
Delta R.T. 0.005 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

Instrument :

BNA_G

ClientSampleId :

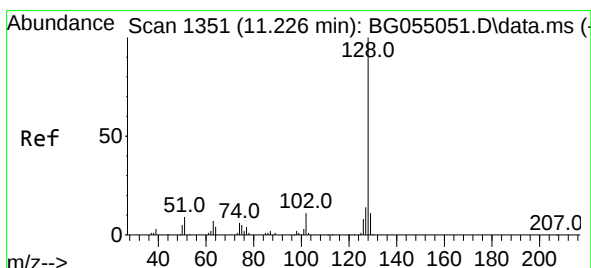
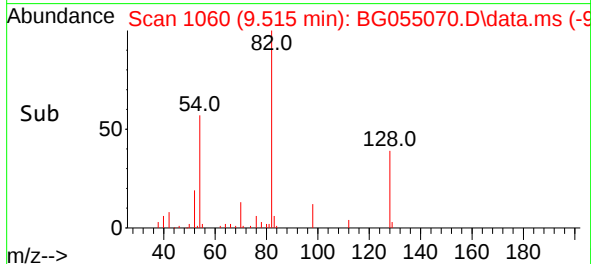
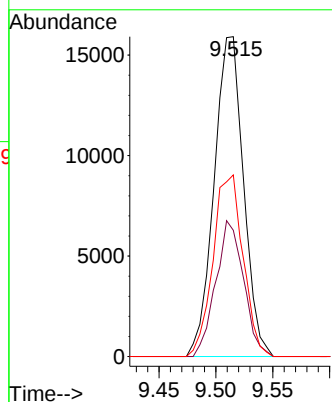
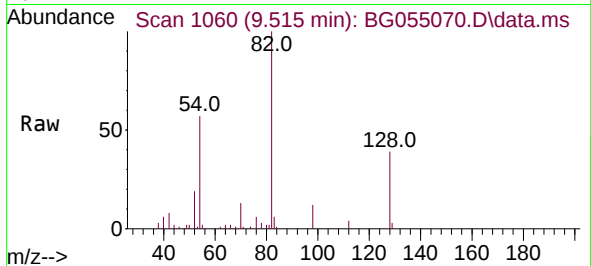
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Tgt Ion: 82 Resp: 2866
Ion Ratio Lower Upper
82 100
128 39.5 29.5 44.3
54 56.8 46.7 70.1

Manual Integrations

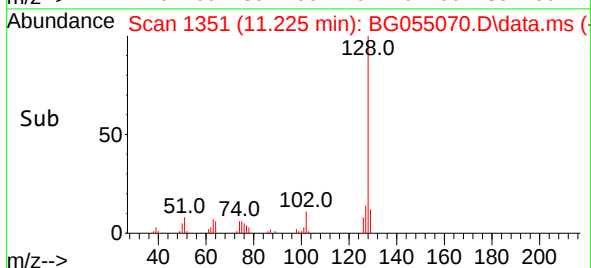
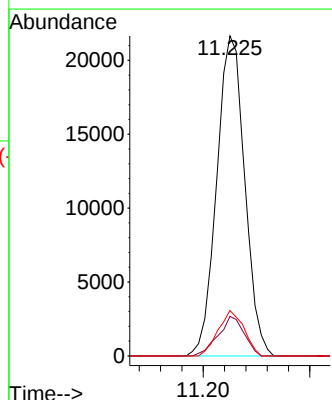
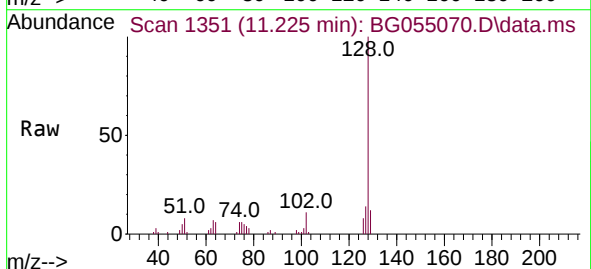
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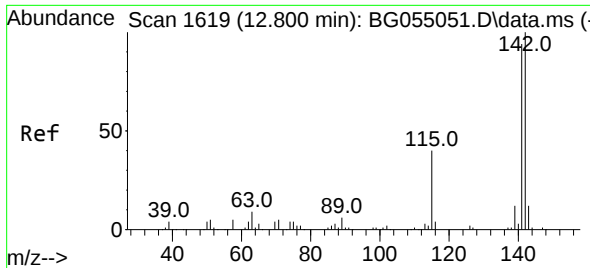
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#31
Naphthalene
Concen: 4.953 ng
RT: 11.225 min Scan# 1351
Delta R.T. -0.001 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

Tgt Ion:128 Resp: 39529
Ion Ratio Lower Upper
128 100
129 12.3 8.7 13.1
127 14.2 10.9 16.3





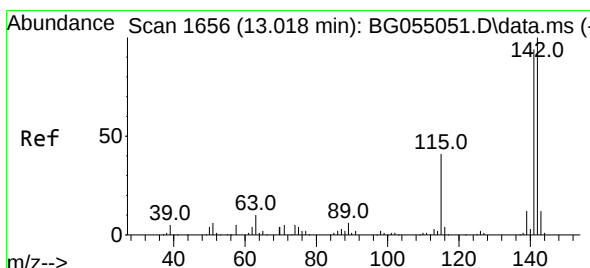
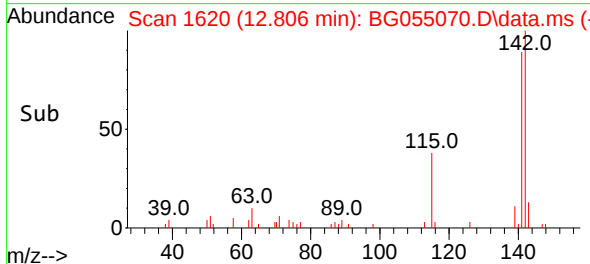
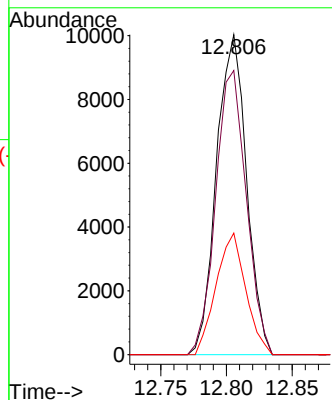
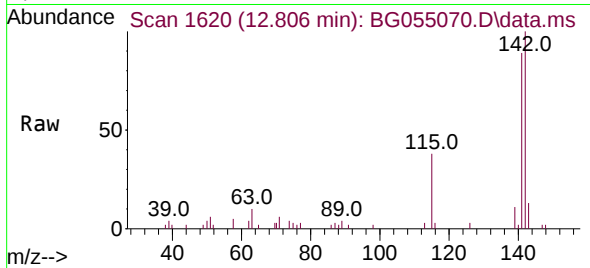
#37
2-Methylnaphthalene
Concen: 2.716 ng
RT: 12.806 min Scan# 1619
Delta R.T. 0.005 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

Instrument :
BNA_G
ClientSampleId :
VNJ-232DL

Tgt Ion:142 Resp: 15973
Ion Ratio Lower Upper
142 100
141 88.8 75.0 112.4
115 38.0 31.7 47.5

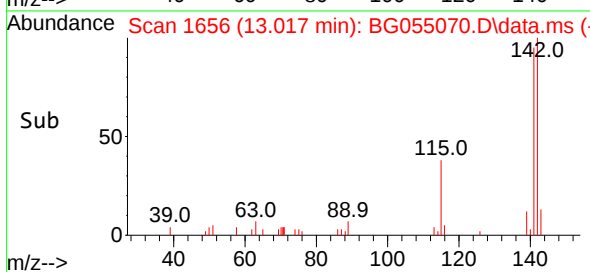
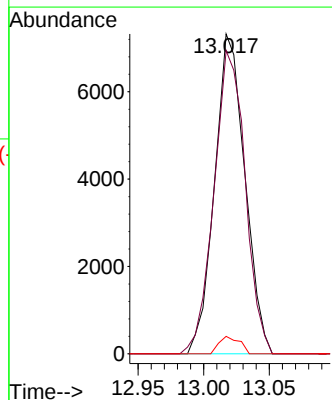
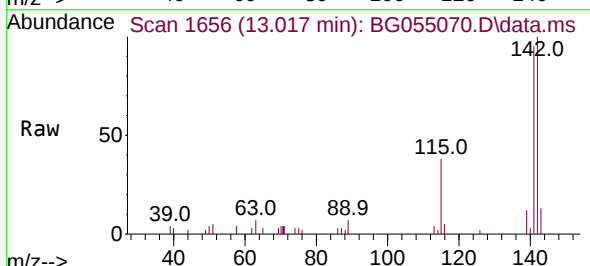
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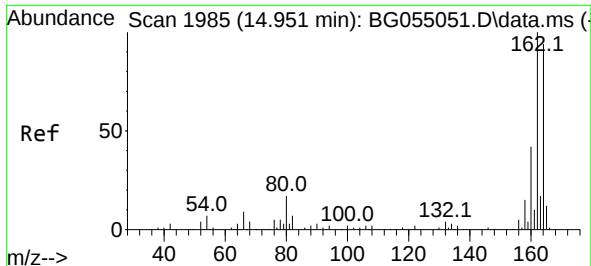
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#38
1-Methylnaphthalene
Concen: 2.055 ng
RT: 13.017 min Scan# 1656
Delta R.T. -0.001 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

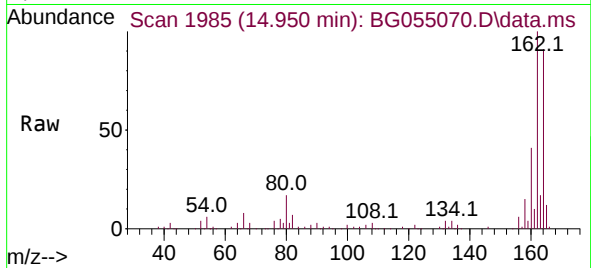
Tgt Ion:142 Resp: 11756
Ion Ratio Lower Upper
142 100
141 94.8 75.5 113.3
116 5.5 3.4 5.2#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.950 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

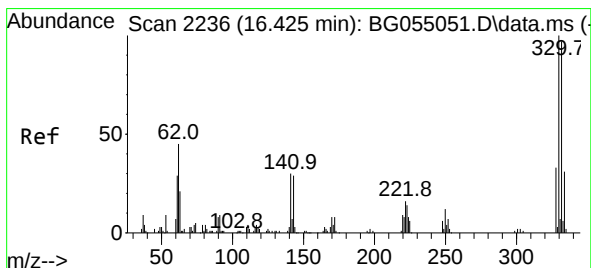
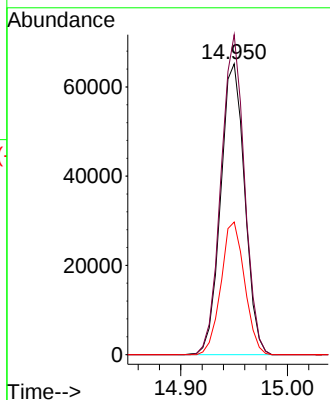
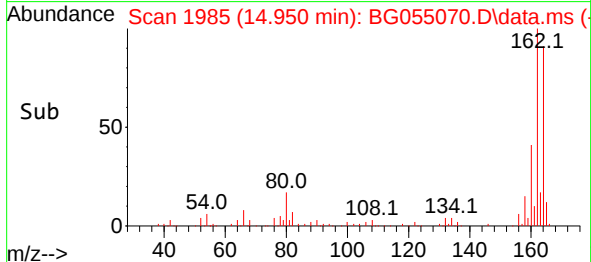
Instrument :
BNA_G
ClientSampleId :
VNJ-232DL



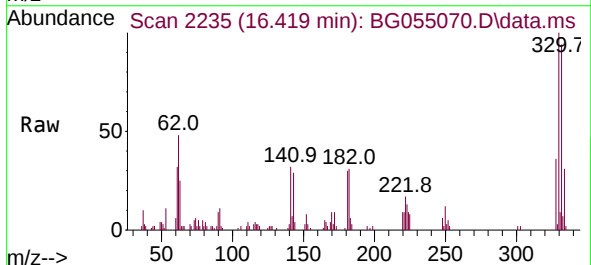
Tgt Ion:164 Resp: 101933
Ion Ratio Lower Upper
164 100
162 110.1 85.5 128.3
160 45.6 35.5 53.3

Manual Integrations
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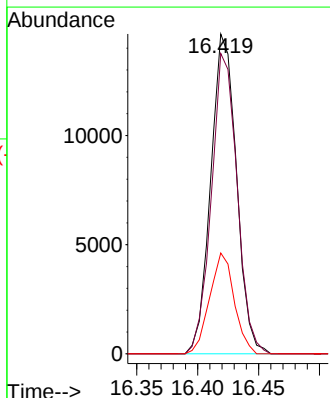
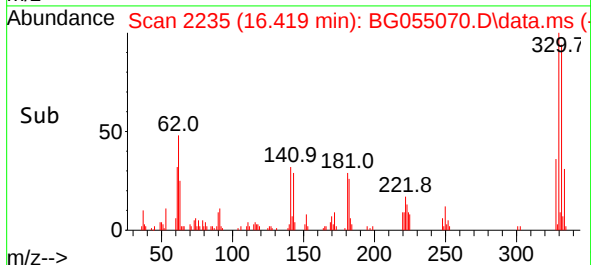
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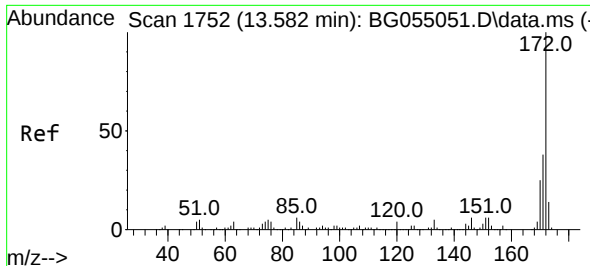


#42
2,4,6-Tribromophenol
Concen: 25.593 ng
RT: 16.419 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38



Tgt Ion:330 Resp: 21481
Ion Ratio Lower Upper
330 100
332 94.0 77.4 116.0
141 30.2 25.0 37.4





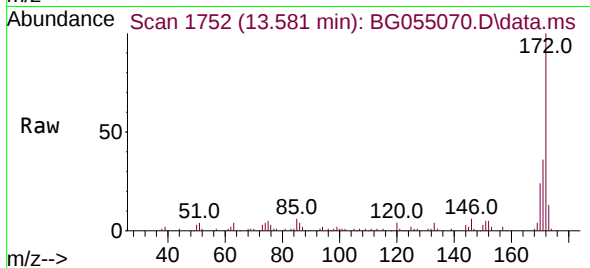
#45
2-Fluorobiphenyl
Concen: 11.621 ng
RT: 13.581 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

Instrument :

BNA_G

ClientSampleId :

VNJ-232DL

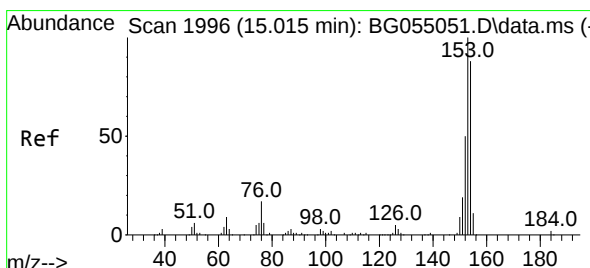
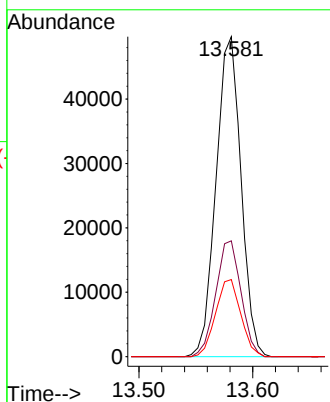
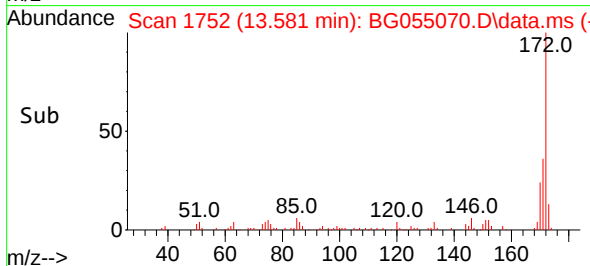


Tgt Ion:172 Resp: 75878
Ion Ratio Lower Upper
172 100
171 36.2 30.1 45.1
170 24.1 20.0 30.0

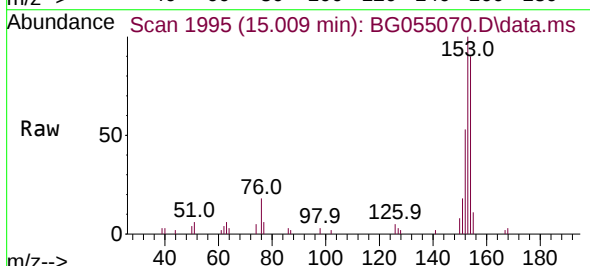
Manual Integrations

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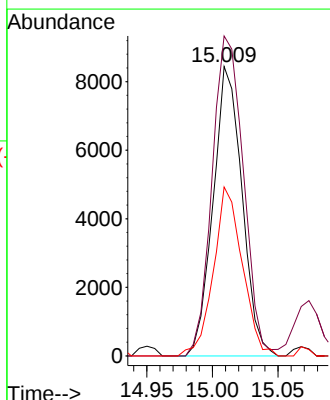
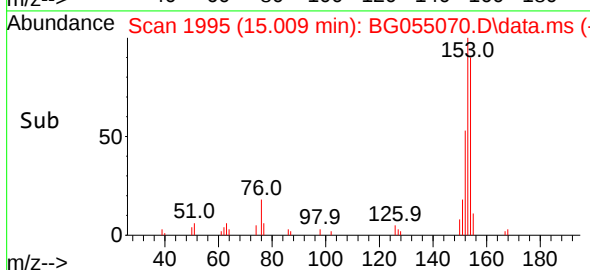
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Supervised By :mohammad ahmed 10/06/2022

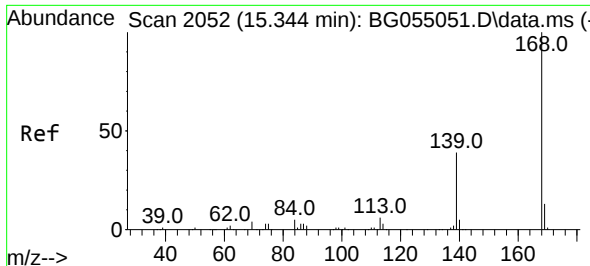


#52
Acenaphthene
Concen: 2.237 ng
RT: 15.009 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38



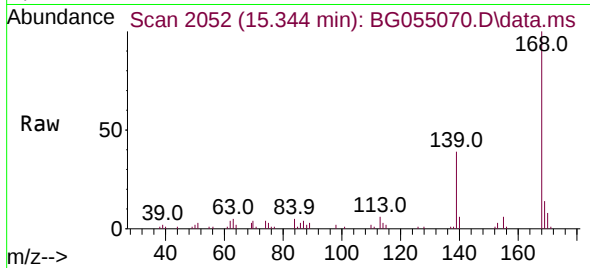
Tgt Ion:154 Resp: 12951
Ion Ratio Lower Upper
154 100
153 110.6 91.4 137.0
152 58.4 45.3 67.9





#55
Dibenzenofuran
Concen: 3.638 ng
RT: 15.344 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

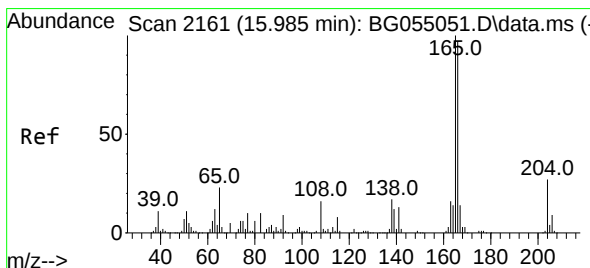
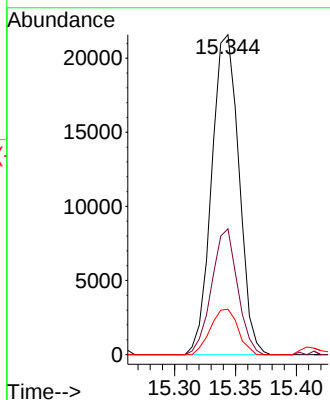
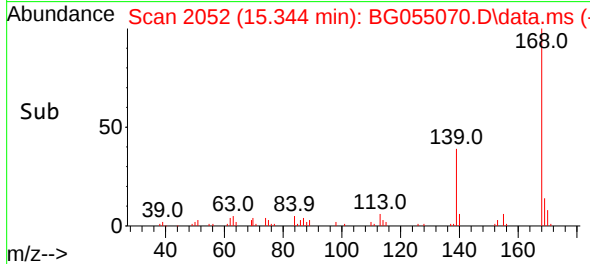
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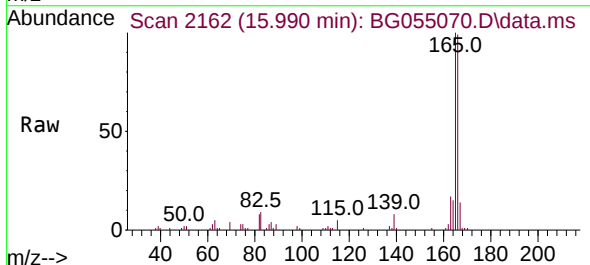
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Ion Ratio Lower Upper
168 100
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Manual Integrations
APPROVED

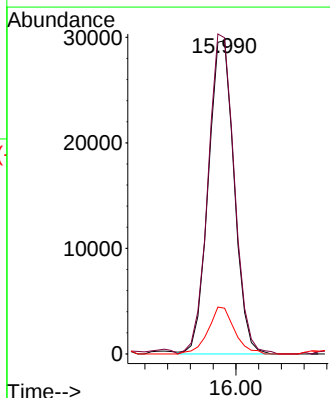
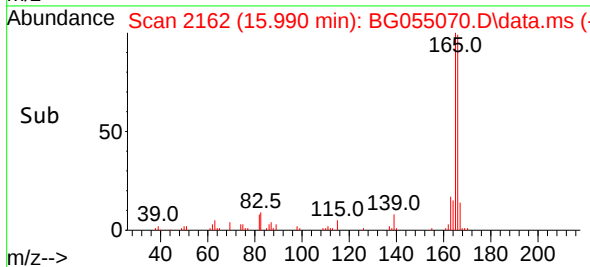
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

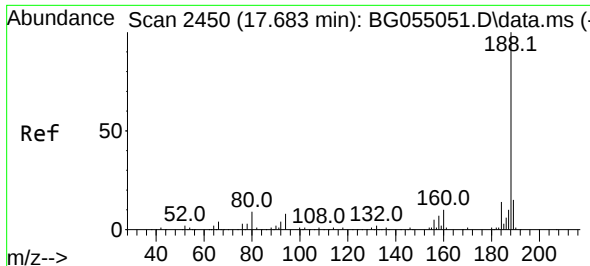


#58
Fluorene
Concen: 6.329 ng
RT: 15.990 min Scan# 2162
Delta R.T. 0.005 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38



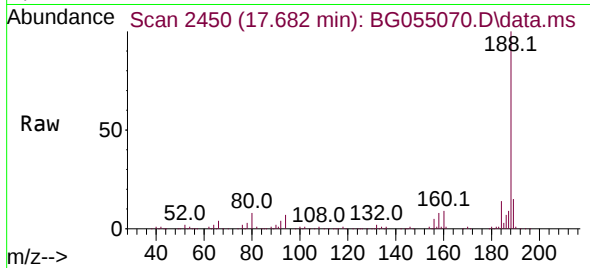
Tgt Ion:166 Resp: 46787
Ion Ratio Lower Upper
166 100
165 100.9 82.6 123.8
167 14.6 11.8 17.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.682 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

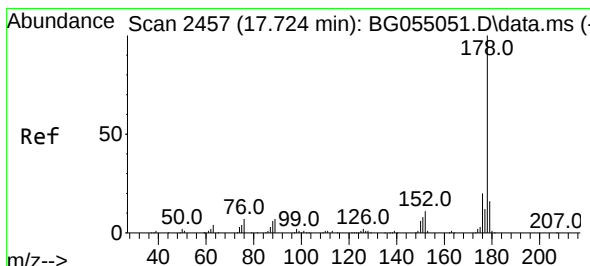
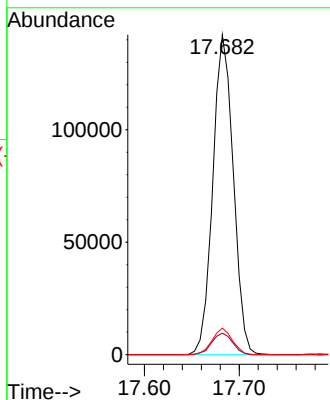
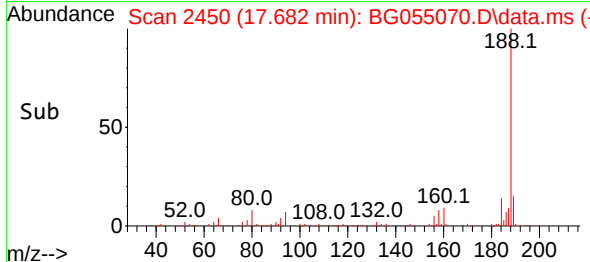
Instrument :
BNA_G
ClientSampleId :
VNJ-232DL



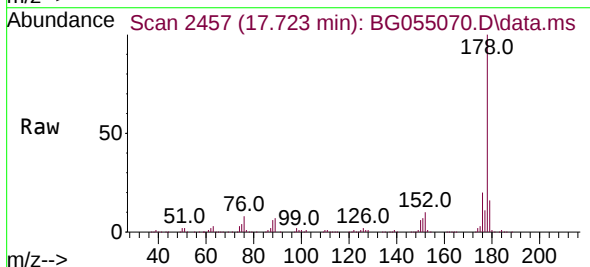
Tgt Ion:188 Resp: 213523
Ion Ratio Lower Upper
188 100
94 6.7 6.2 9.2
80 8.3 7.2 10.8

Manual Integrations
APPROVED

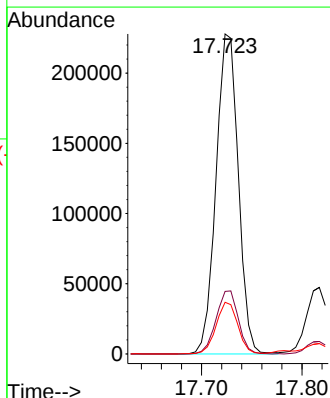
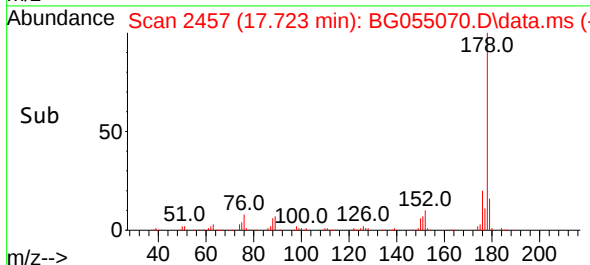
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

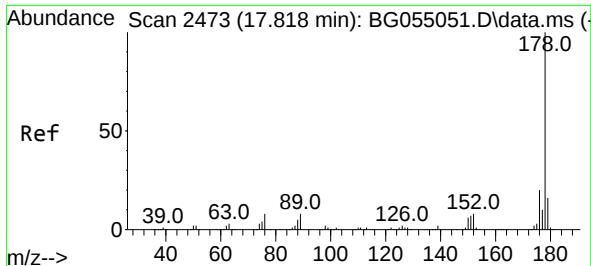


#71
Phenanthrene
Concen: 31.373 ng
RT: 17.723 min Scan# 2457
Delta R.T. -0.001 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38



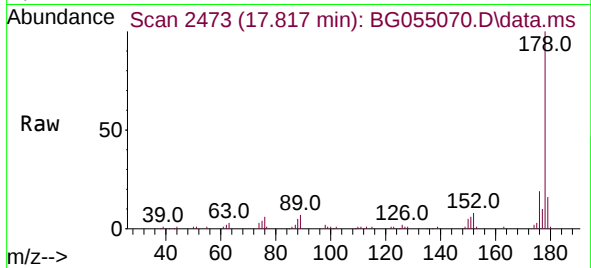
Tgt Ion:178 Resp: 351879
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 16.1 13.2 19.8





#72
 Anthracene
 Concen: 6.501 ng
 RT: 17.817 min Scan# 2473
 Delta R.T. -0.000 min
 Lab File: BG055070.D
 Acq: 4 Oct 2022 19:38

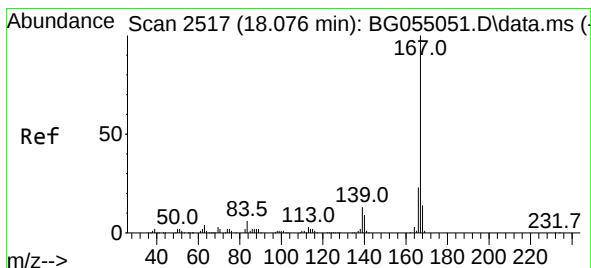
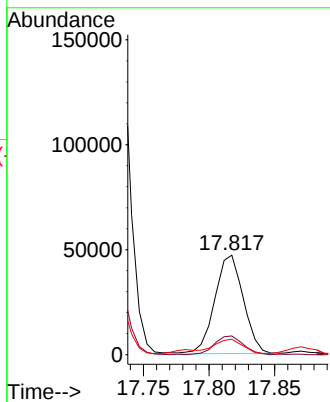
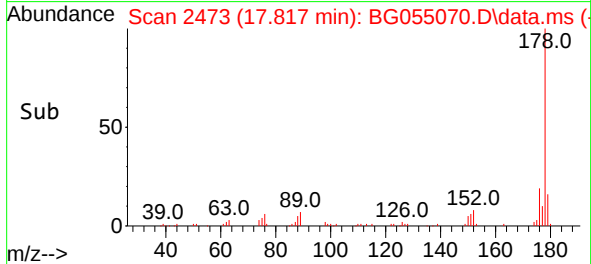
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-232DL



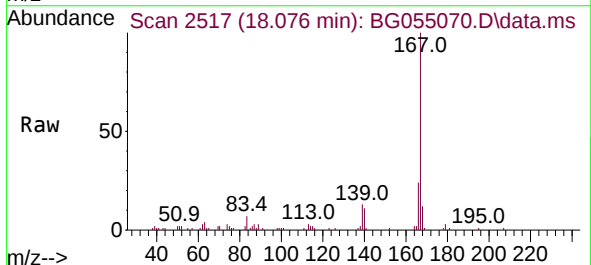
Tgt Ion:178 Resp: 70920
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.7 23.5
 179 15.6 12.5 18.7

Manual Integrations
 APPROVED

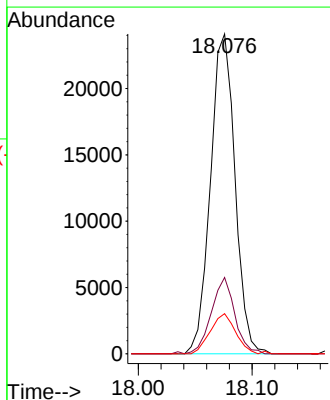
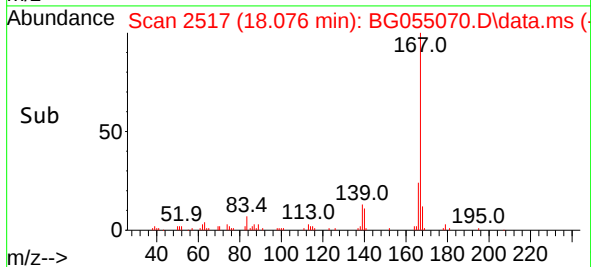
Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

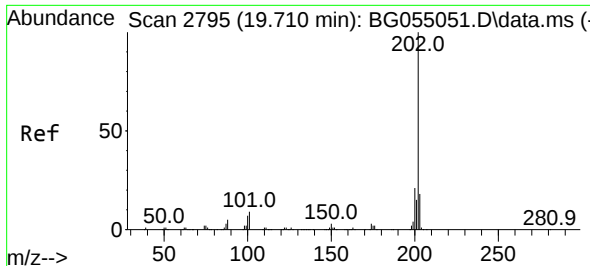


#73
 Carbazole
 Concen: 3.775 ng
 RT: 18.076 min Scan# 2517
 Delta R.T. -0.000 min
 Lab File: BG055070.D
 Acq: 4 Oct 2022 19:38



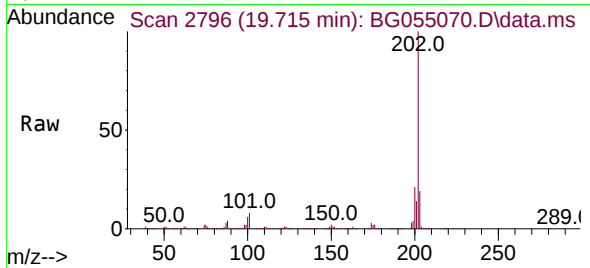
Tgt Ion:167 Resp: 36149
 Ion Ratio Lower Upper
 167 100
 166 23.9 18.2 27.2
 139 12.6 10.2 15.4





#75
Fluoranthene
Concen: 24.812 ng
RT: 19.715 min Scan# 2795
Delta R.T. 0.005 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

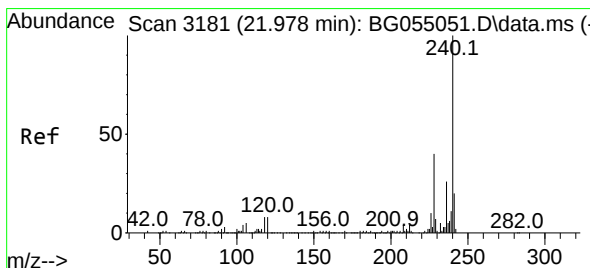
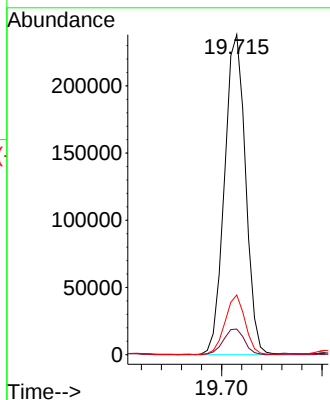
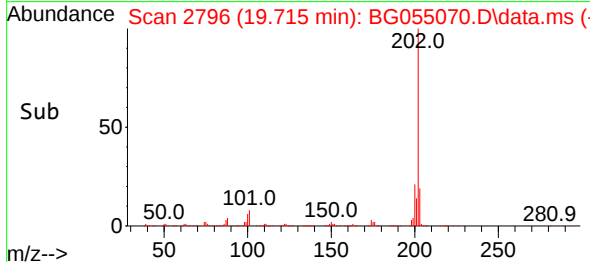
Instrument :
BNA_G
ClientSampleId :
VNJ-232DL



Tgt Ion:202 Resp: 347186
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.9
203 18.6 0.0 37.7

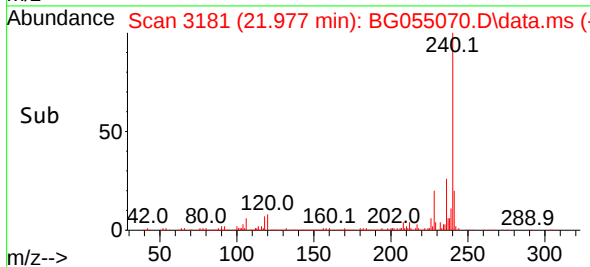
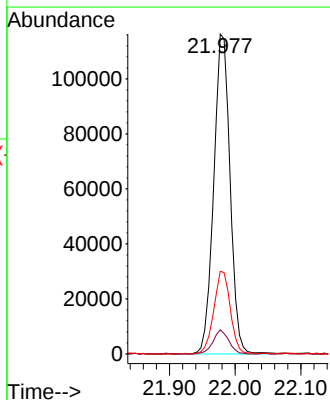
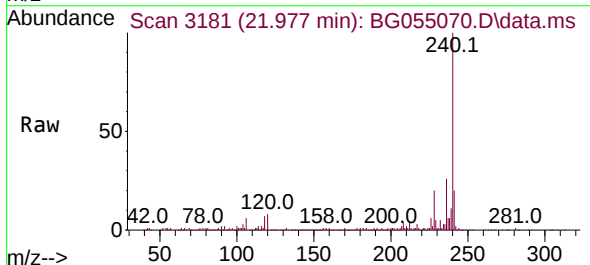
Manual Integrations
APPROVED

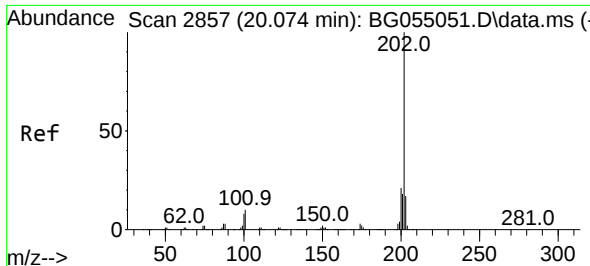
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.977 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

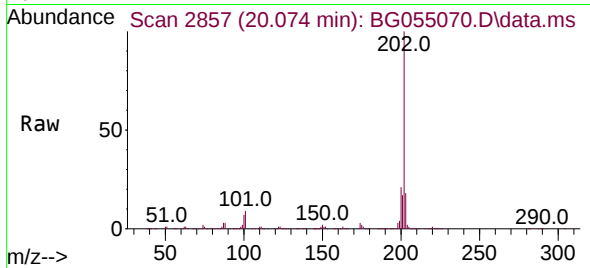
Tgt Ion:240 Resp: 201712
Ion Ratio Lower Upper
240 100
120 7.5 6.2 9.4
236 25.8 20.6 30.8





#78
Pyrene
Concen: 20.738 ng
RT: 20.074 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

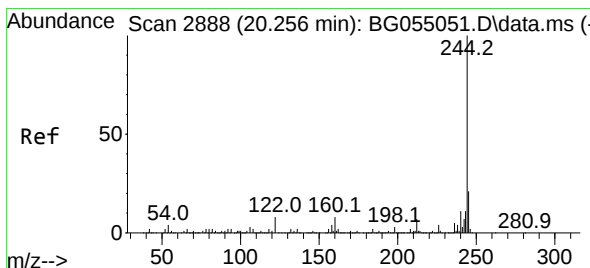
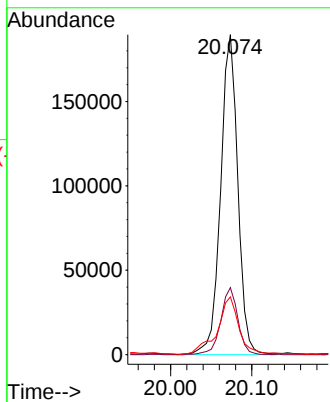
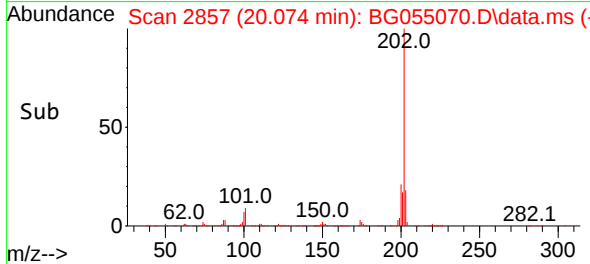
Instrument :
BNA_G
ClientSampleId :
VNJ-232DL



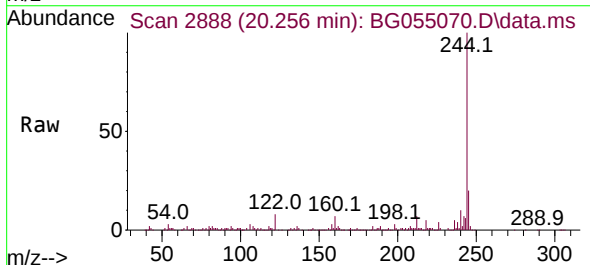
Tgt Ion:202 Resp: 27815
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 18.0 14.0 21.0

Manual Integrations
APPROVED

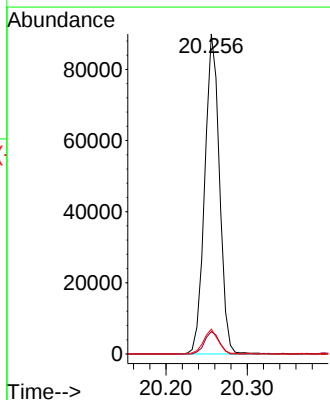
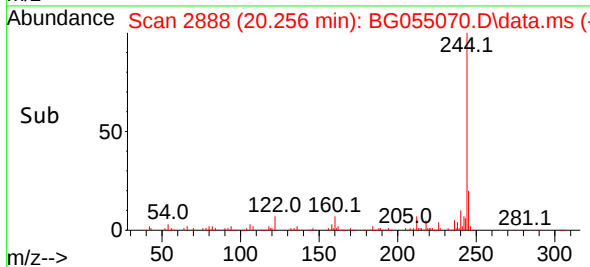
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

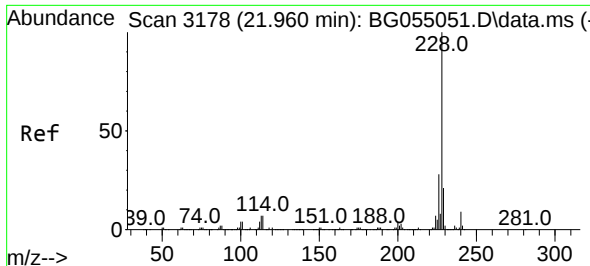


#79
Terphenyl-d14
Concen: 11.371 ng
RT: 20.256 min Scan# 2888
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38



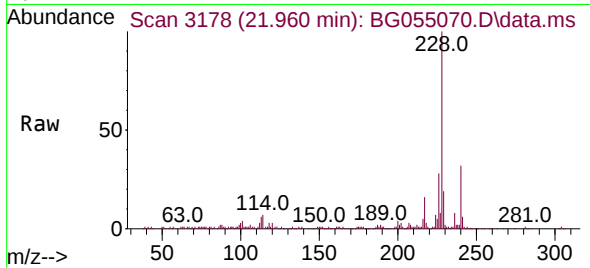
Tgt Ion:244 Resp: 113480
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 7.7 6.6 10.0





#81
Benzo(a)anthracene
Concen: 10.760 ng
RT: 21.960 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

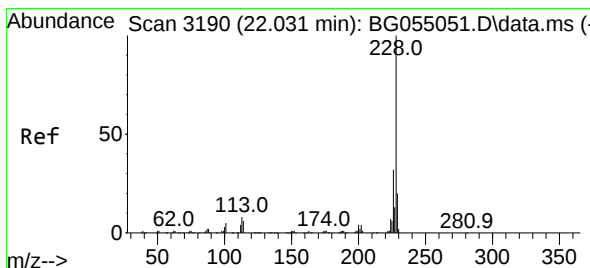
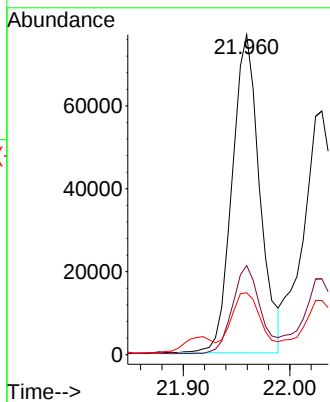
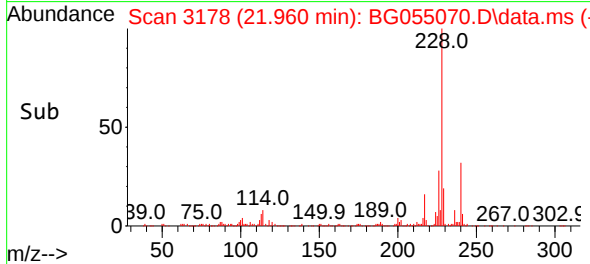
Instrument :
BNA_G
ClientSampleId :
VNJ-232DL



Tgt Ion:228 Resp: 137873
Ion Ratio Lower Upper
228 100
226 27.8 22.4 33.6
229 19.3 16.7 25.1

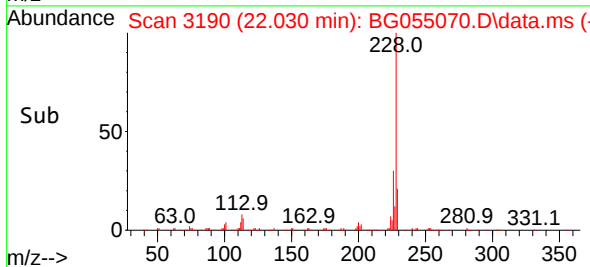
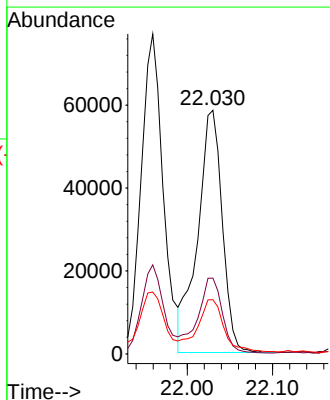
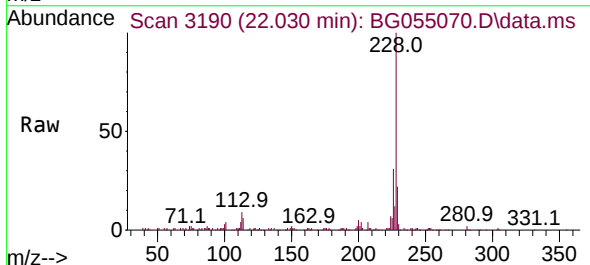
Manual Integrations
APPROVED

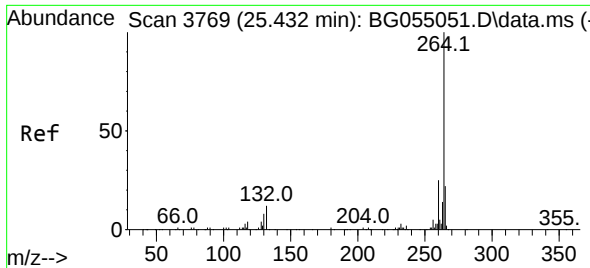
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#83
Chrysene
Concen: 9.524 ng
RT: 22.030 min Scan# 3190
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

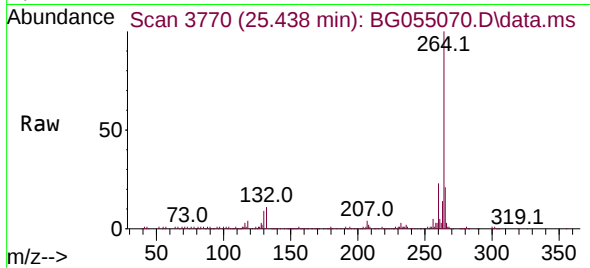
Tgt Ion:228 Resp: 117626
Ion Ratio Lower Upper
228 100
226 31.1 25.3 37.9
229 22.2 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.438 min Scan# 3769
Delta R.T. 0.005 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

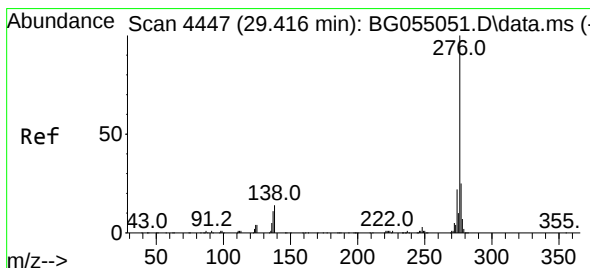
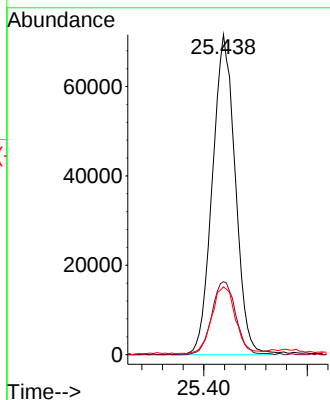
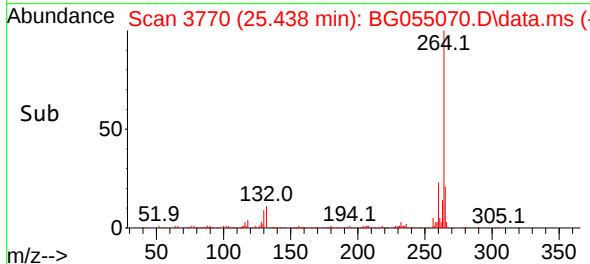
Instrument :
BNA_G
ClientSampleId :
VNJ-232DL



Tgt Ion:264 Resp: 220776
Ion Ratio Lower Upper
264 100
260 22.8 19.7 29.5
265 21.2 17.8 26.6

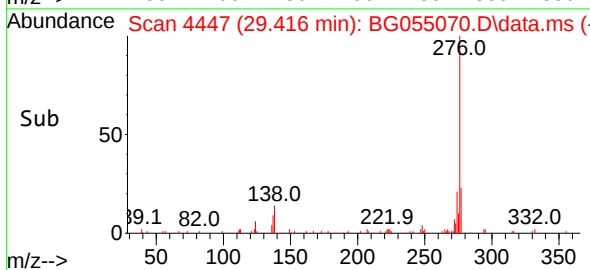
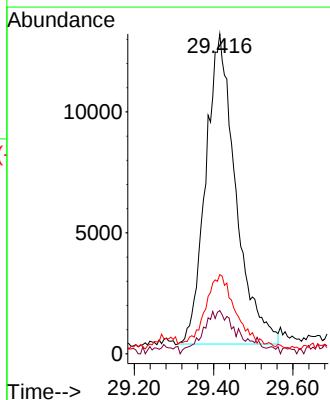
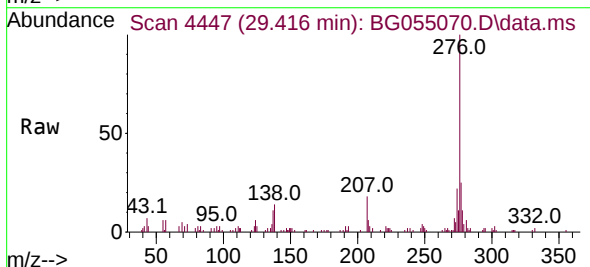
Manual Integrations
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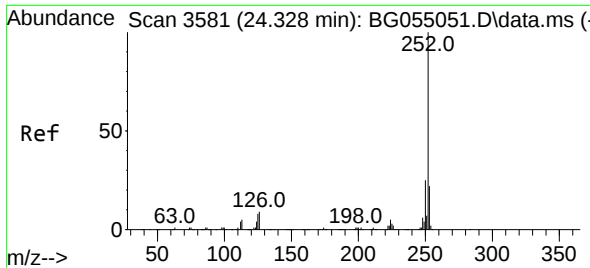
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.226 ng
RT: 29.416 min Scan# 4447
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

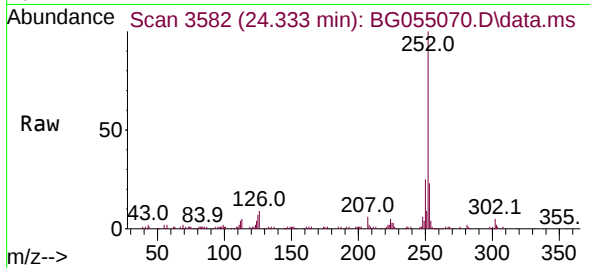
Tgt Ion:276 Resp: 67335
Ion Ratio Lower Upper
276 100
138 14.3 10.0 15.0
277 20.4 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 11.519 ng
RT: 24.333 min Scan# 3582
Delta R.T. 0.005 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

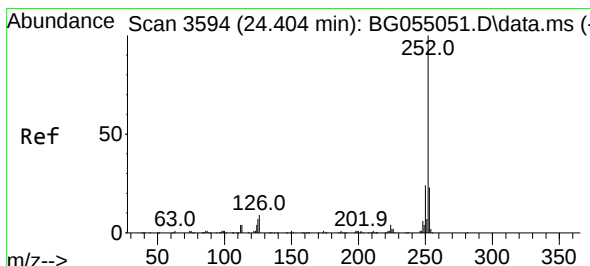
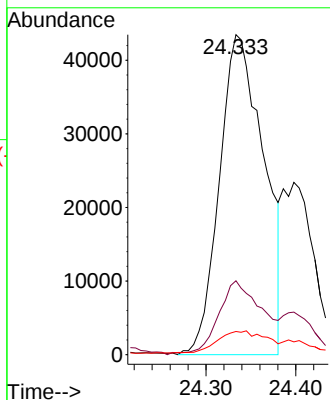
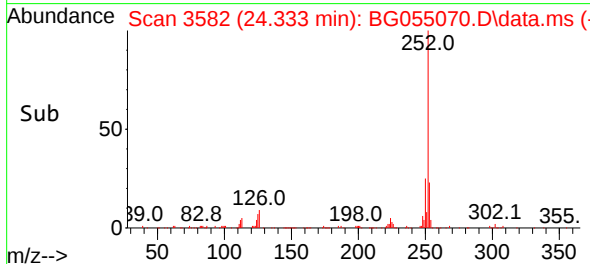
Instrument :
BNA_G
ClientSampleId :
VNJ-232DL



Tgt Ion:252 Resp: 14983
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 7.2 6.1 9.1

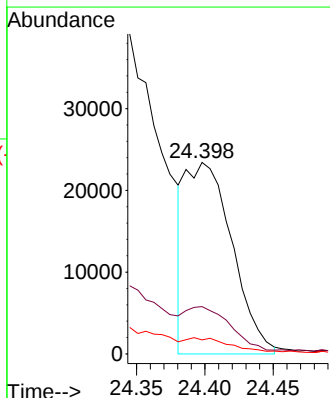
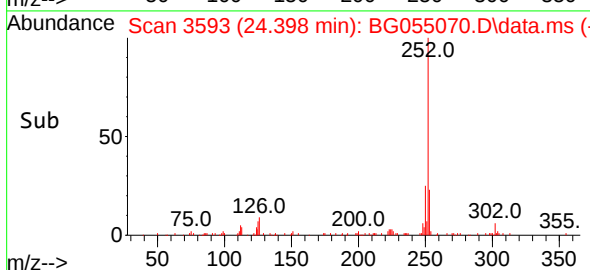
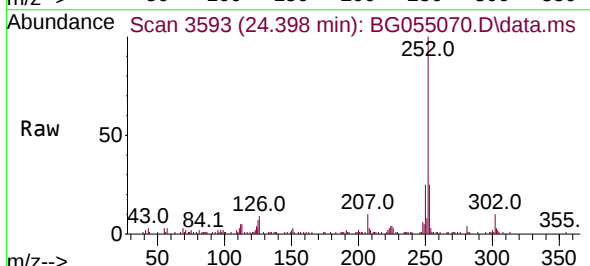
Manual Integrations
APPROVED

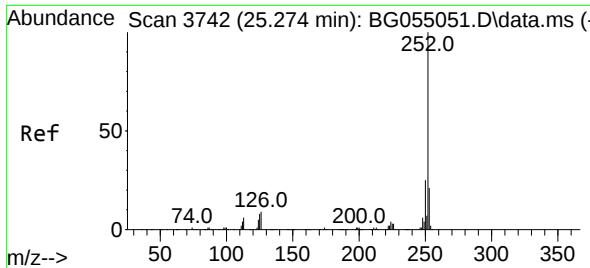
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#89
Benzo(k)fluoranthene
Concen: 4.253 ng m
RT: 24.398 min Scan# 3593
Delta R.T. -0.006 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

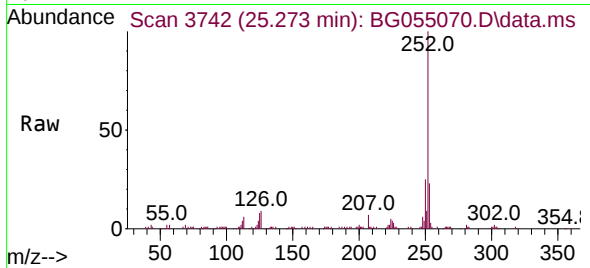
Tgt Ion:252 Resp: 55733
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 7.4 5.8 8.6





#90
Benzo(a)pyrene
Concen: 10.169 ng
RT: 25.273 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38

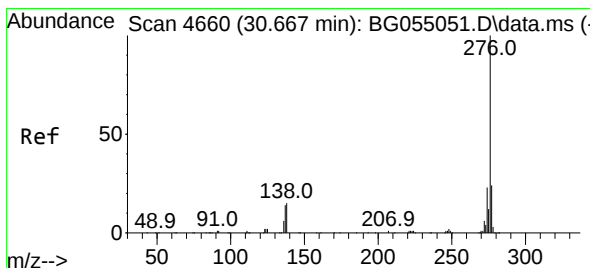
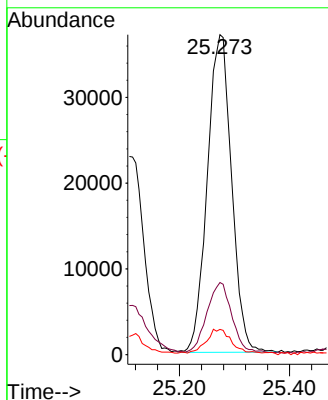
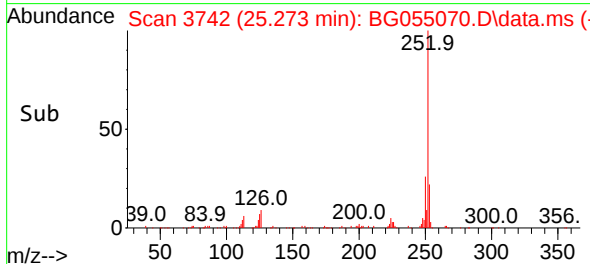
Instrument :
BNA_G
ClientSampleId :
VNJ-232DL



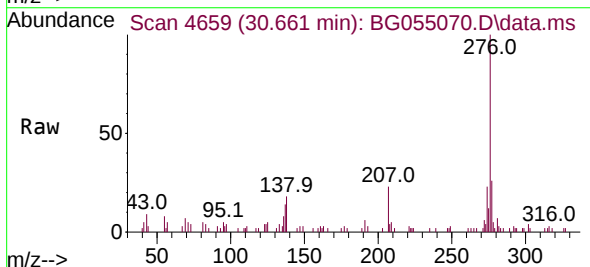
Tgt Ion:252 Resp: 113372
Ion Ratio Lower Upper
252 100
253 22.5 16.9 25.3
125 7.9 6.6 9.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#92
Benzo(g,h,i)perylene
Concen: 4.762 ng
RT: 30.661 min Scan# 4659
Delta R.T. -0.006 min
Lab File: BG055070.D
Acq: 4 Oct 2022 19:38



Tgt Ion:276 Resp: 61869
Ion Ratio Lower Upper
276 100
277 26.0 18.8 28.2
138 17.5 11.8 17.6

