

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102722\
 Data File : BG055328.D
 Acq On : 27 Oct 2022 17:59
 Operator : CG/JU
 Sample : N5238-03DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 2673DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/28/2022
 Supervised By : mohammad ahmed 11/02/2022

Quant Time: Oct 27 18:37:00 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	8.270	152	50389	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	217608	20.000	ng	0.00
39) Acenaphthene-d10	14.880	164	136826	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	282438	20.000	ng	0.00
76) Chrysene-d12	21.895	240	256638	20.000	ng	0.00
86) Perylene-d12	25.297	264	283504	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	59317	20.612	ng	0.00
7) Phenol-d6	7.412	99	83113	19.935	ng	0.00
23) Nitrobenzene-d5	9.439	82	50529	11.857	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	30358	20.410	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	107957	12.914	ng	0.00
79) Terphenyl-d14	20.185	244	160892	13.025	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.945	154	32575	4.000	ng	97
55) Dibenzofuran	15.274	168	27068	2.216	ng	96
58) Fluorene	15.920	166	47794	4.702	ng	98
71) Phenanthrene	17.659	178	465655	30.915	ng	99
72) Anthracene	17.747	178	108203	7.348	ng	100
73) Carbazole	18.012	167	43080	3.042	ng	98
75) Fluoranthene	19.651	202	658834	37.537	ng	98
78) Pyrene	20.009	202	570640	32.439	ng	99
81) Benzo(a)anthracene	21.878	228	293439	17.027	ng	100
83) Chrysene	21.942	228	263712	16.109	ng	96
87) Indeno(1,2,3-cd)pyrene	29.216	276	173261	8.275	ng	97
88) Benzo(b)fluoranthene	24.210	252	378689	22.206	ng	97
89) Benzo(k)fluoranthene	24.275	252	134626m	7.818	ng	
90) Benzo(a)pyrene	25.138	252	285954	19.554	ng	98
91) Dibenzo(a,h)anthracene	29.251	278	44945	2.616	ng	# 90
92) Benzo(g,h,i)perylene	30.450	276	157658	9.250	ng	99

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

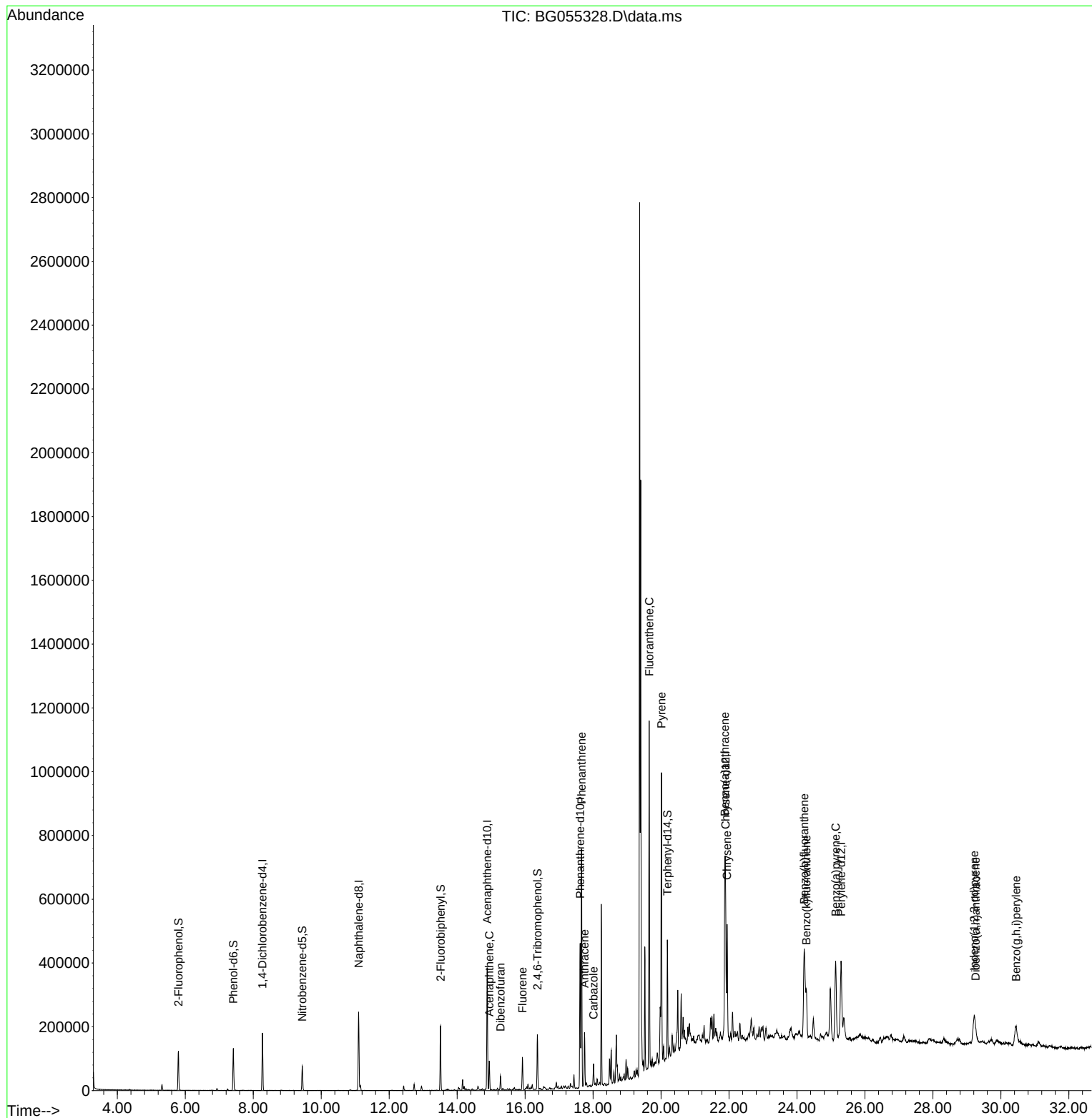
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102722\
Data File : BG055328.D
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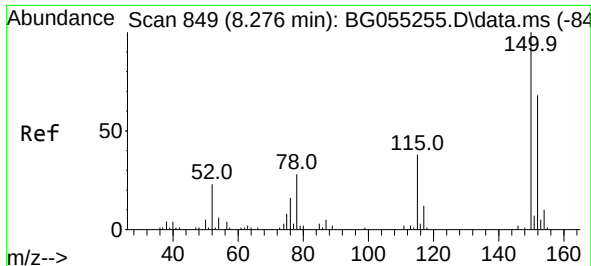
Instrument :
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ClientSampleId :
2673DL

Quant Time: Oct 27 18:37:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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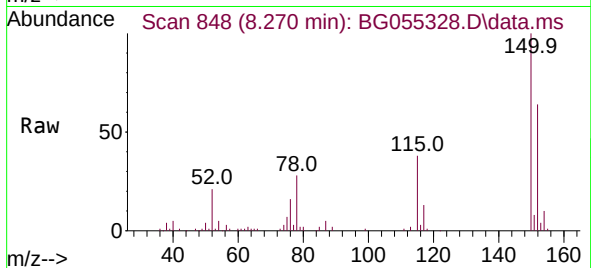
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 849
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

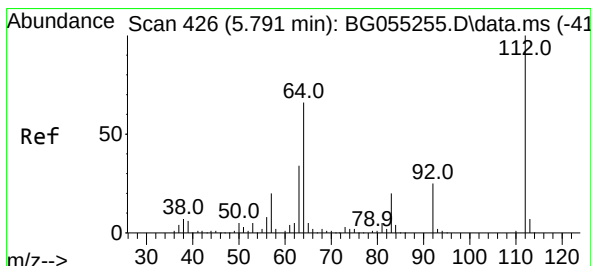
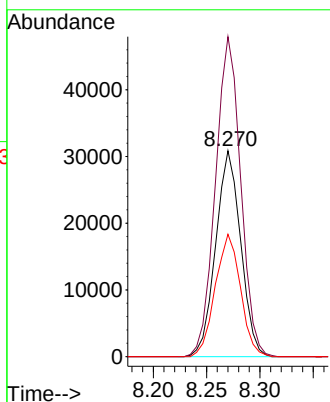
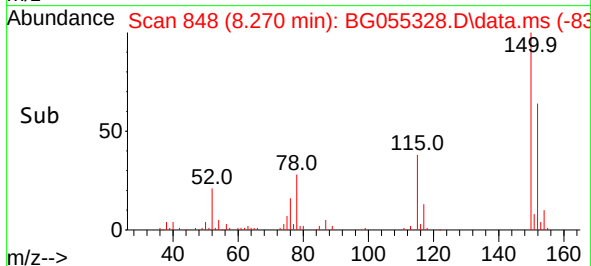
Instrument :
BNA_G
ClientSampleId :
2673DL



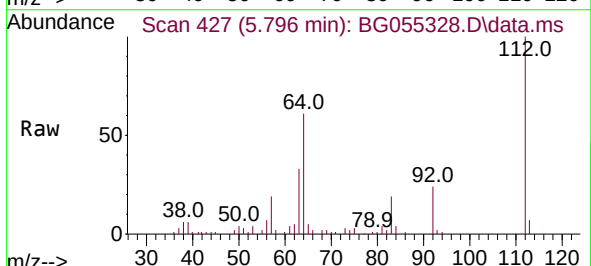
Tgt Ion:152 Resp: 50389
Ion Ratio Lower Upper
152 100
150 155.4 118.2 177.4
115 59.4 44.5 66.7

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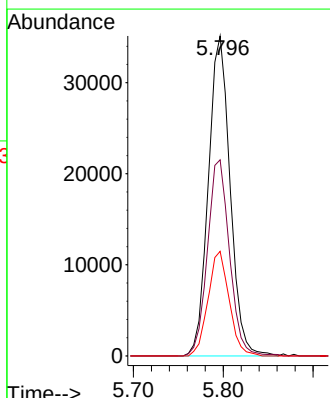
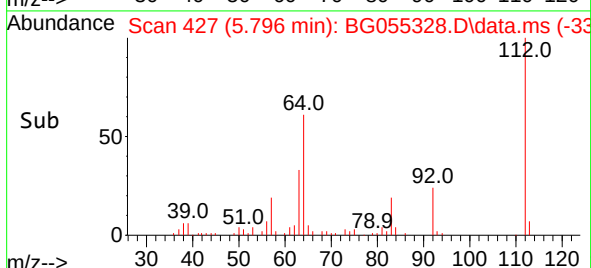
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022

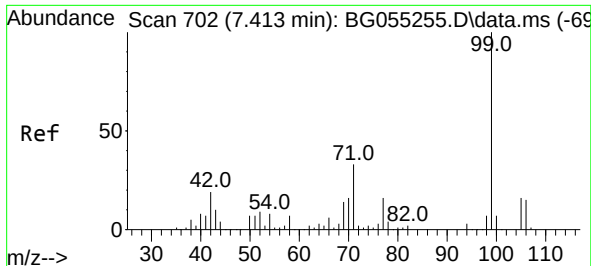


#5
2-Fluorophenol
Concen: 20.612 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.005 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59



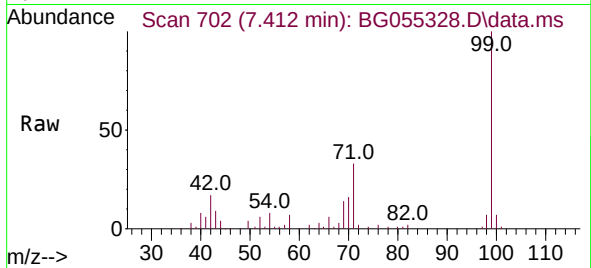
Tgt Ion:112 Resp: 59317
Ion Ratio Lower Upper
112 100
64 61.3 52.6 78.8
63 32.7 27.1 40.7





#7
Phenol-d6
Concen: 19.935 ng
RT: 7.412 min Scan# 702
Delta R.T. -0.000 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

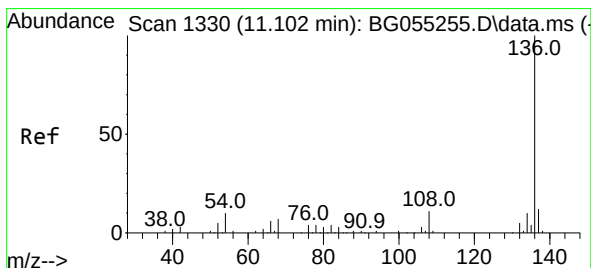
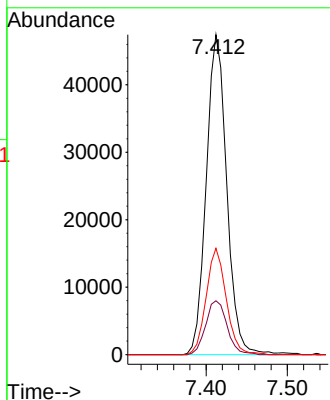
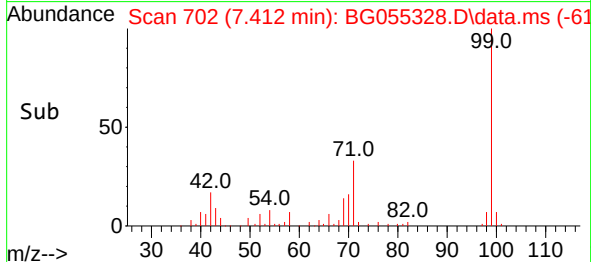
Instrument :
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ClientSampleId :
2673DL



Tgt Ion:	99	Resp:	83113
Ion	Ratio	Lower	Upper
99	100		
42	16.8	15.2	22.8
71	33.2	26.2	39.4

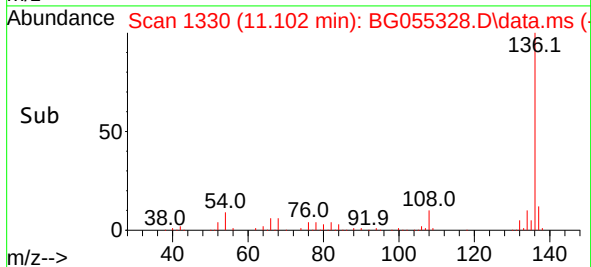
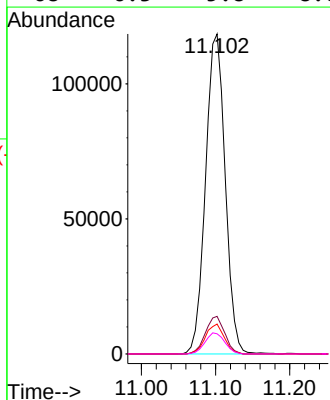
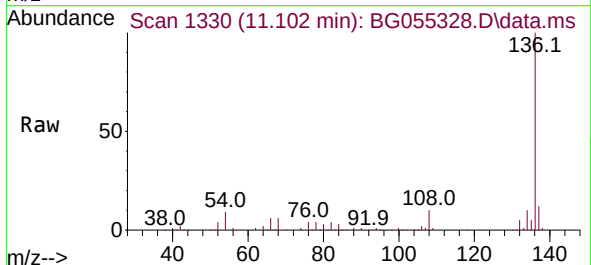
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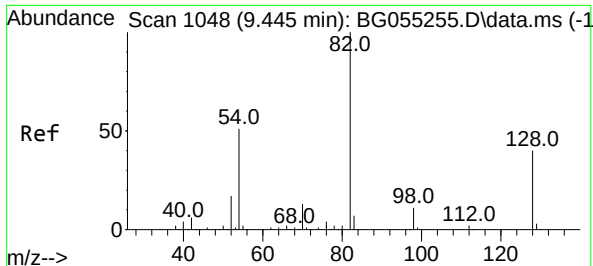
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:	136	Resp:	217608
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	9.3	7.8	11.8
68	6.3	5.8	8.6





#23

Nitrobenzene-d5

Concen: 11.857 ng

RT: 9.439 min Scan# 1047

Delta R.T. -0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

Instrument :

BNA_G

ClientSampleId :

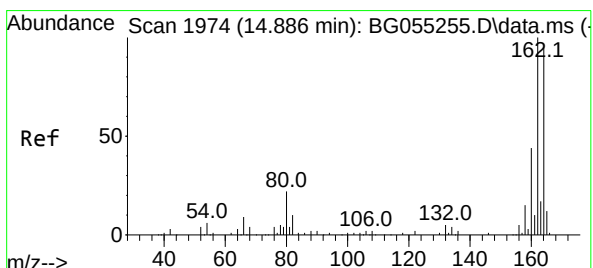
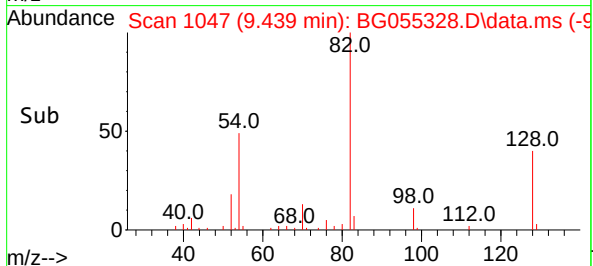
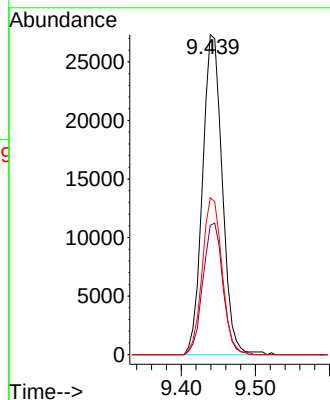
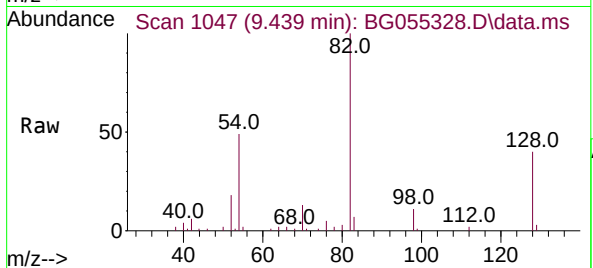
2673DL

Tgt Ion: 82	Resp: 50529
Ion Ratio	Lower Upper
82 100	
128 40.4	32.0 48.0
54 49.0	40.9 61.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

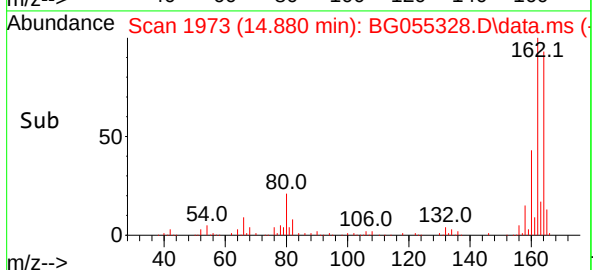
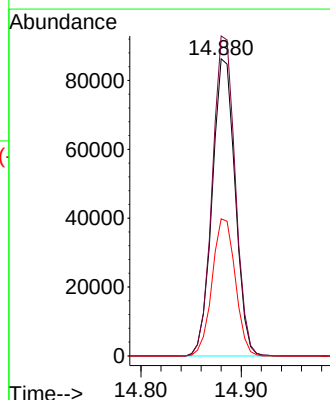
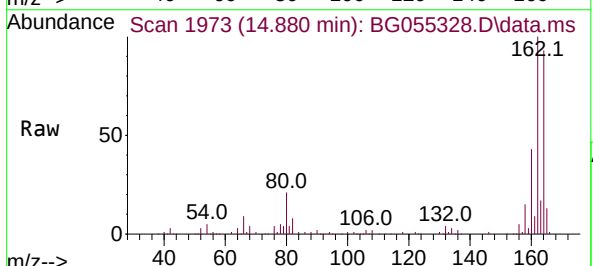
RT: 14.880 min Scan# 1973

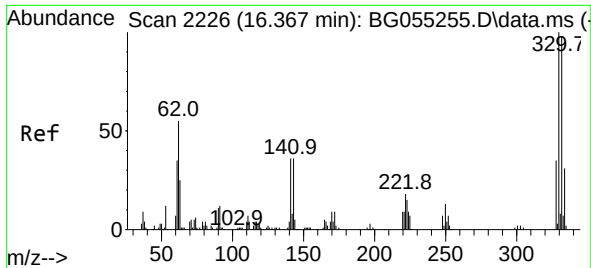
Delta R.T. -0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

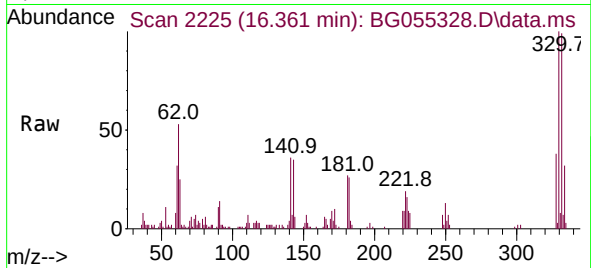
Tgt Ion:164	Resp: 136826
Ion Ratio	Lower Upper
164 100	
162 107.7	84.0 126.0
160 46.1	36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 20.410 ng
RT: 16.361 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

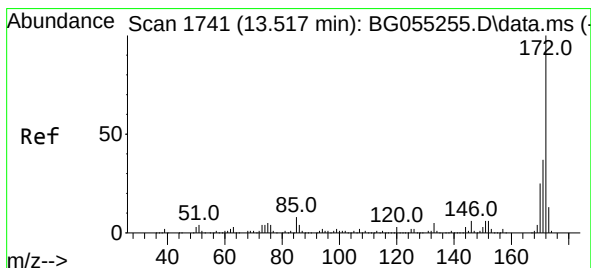
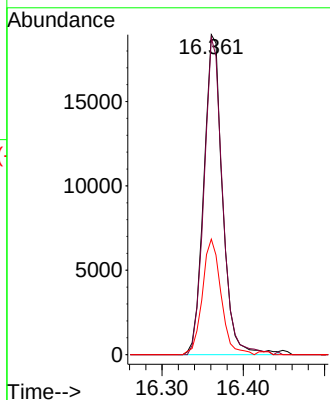
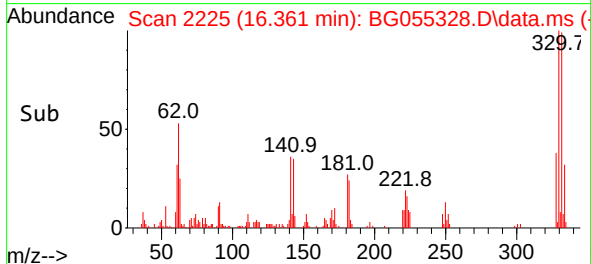
Instrument :
BNA_G
ClientSampleId :
2673DL



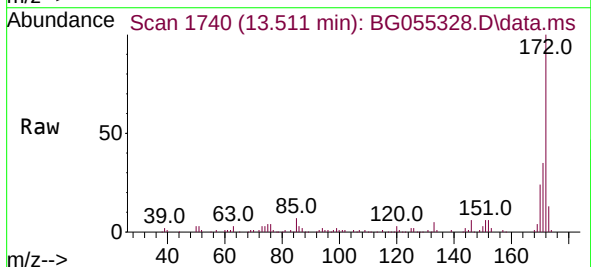
Tgt Ion:330 Resp: 30358
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 36.0 29.8 44.8

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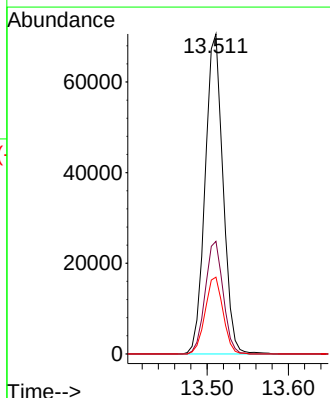
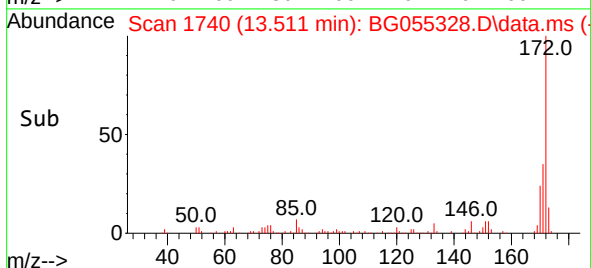
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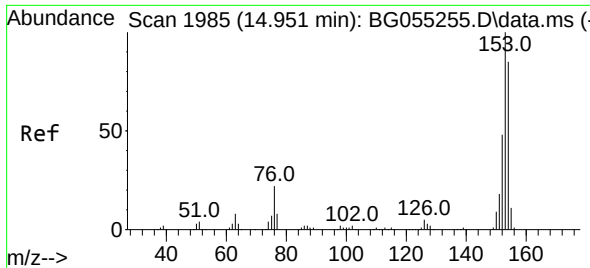


#45
2-Fluorobiphenyl
Concen: 12.914 ng
RT: 13.511 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59



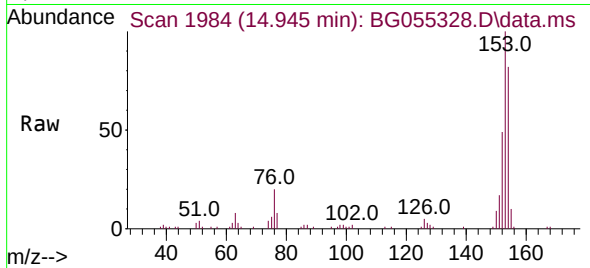
Tgt Ion:172 Resp: 107957
Ion Ratio Lower Upper
172 100
171 35.2 29.7 44.5
170 24.0 20.2 30.2





#52
Acenaphthene
Concen: 4.000 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

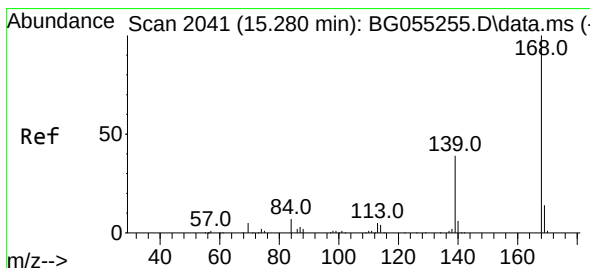
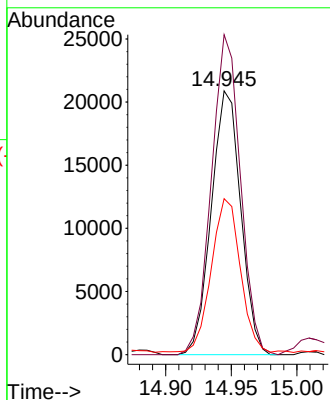
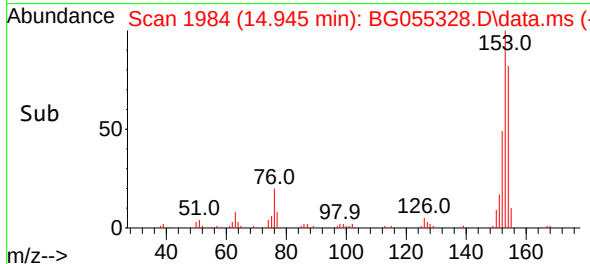
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ClientSampleId :
2673DL



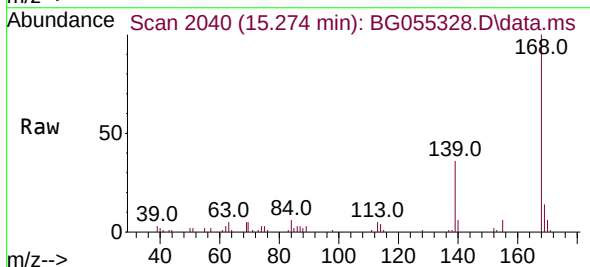
Tgt Ion:154 Resp: 32575
Ion Ratio Lower Upper
154 100
153 121.3 94.3 141.5
152 59.1 45.3 67.9

Manual Integrations
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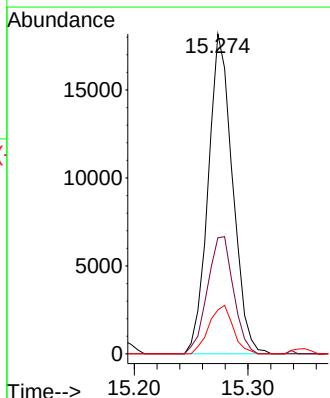
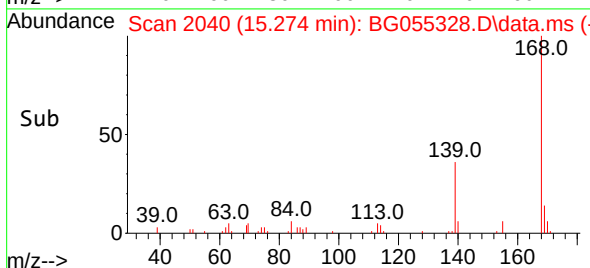
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022

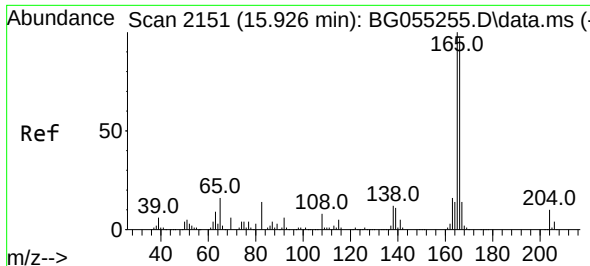


#55
Dibenzofuran
Concen: 2.216 ng
RT: 15.274 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59



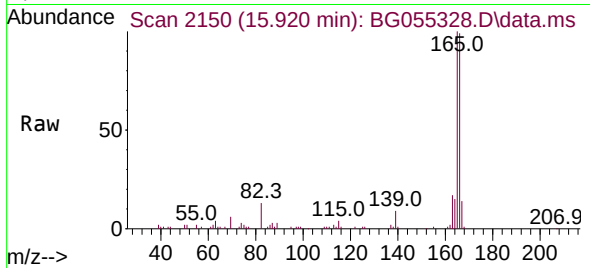
Tgt Ion:168 Resp: 27068
Ion Ratio Lower Upper
168 100
139 36.3 31.6 47.4
169 13.7 11.0 16.4





#58
Fluorene
Concen: 4.702 ng
RT: 15.920 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

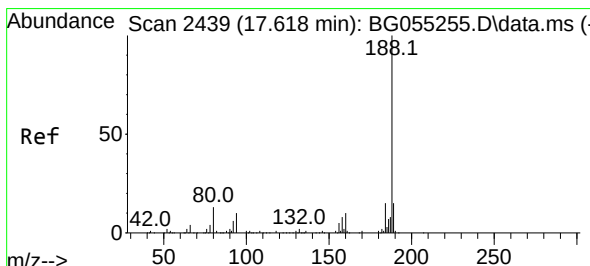
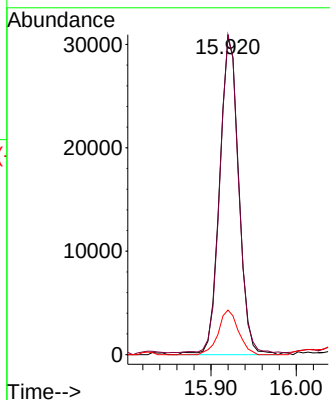
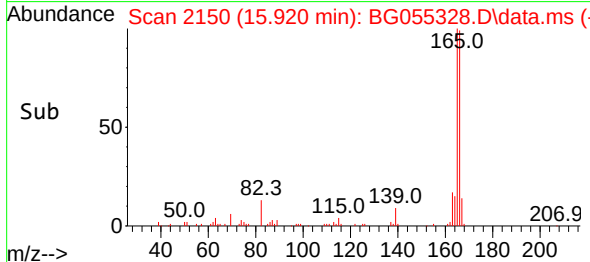
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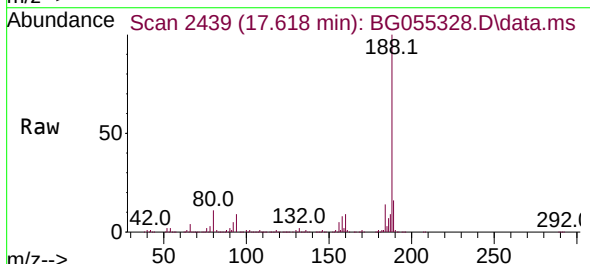
Tgt Ion:166 Resp: 47794
Ion Ratio Lower Upper
166 100
165 100.8 82.4 123.6
167 14.0 11.5 17.3

Manual Integrations
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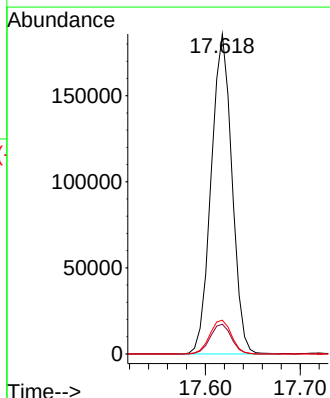
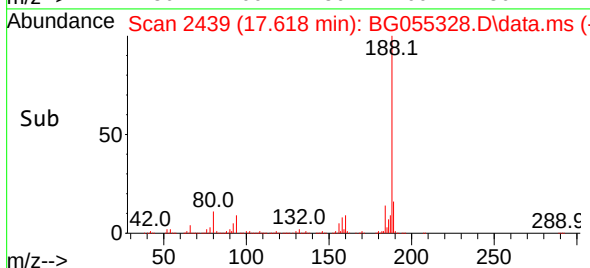
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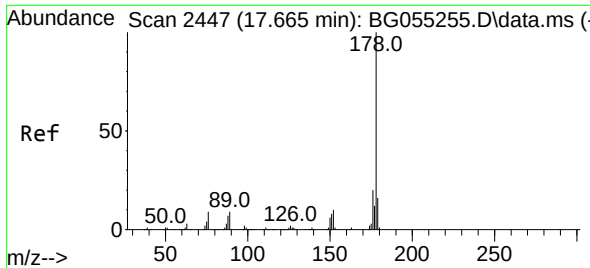


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59



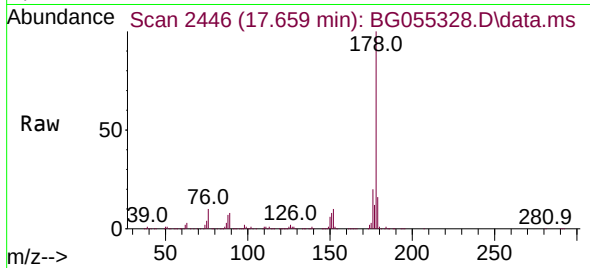
Tgt Ion:188 Resp: 282438
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.4
80 10.5 10.1 15.1





#71
Phenanthrene
Concen: 30.915 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

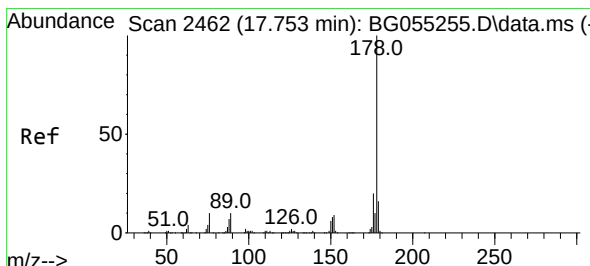
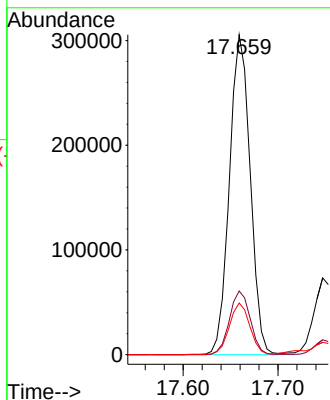
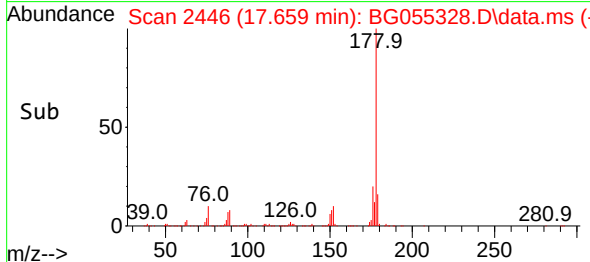
Instrument :
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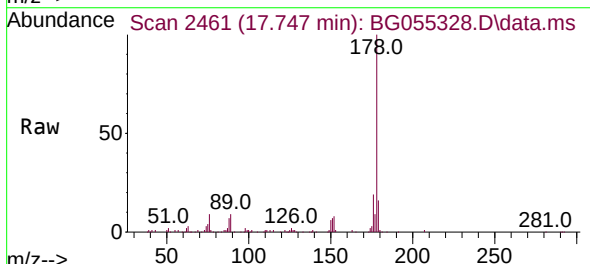
Tgt Ion:178 Resp: 465655
Ion Ratio Lower Upper
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176 19.9 16.0 24.0
179 16.1 12.6 19.0

Manual Integrations
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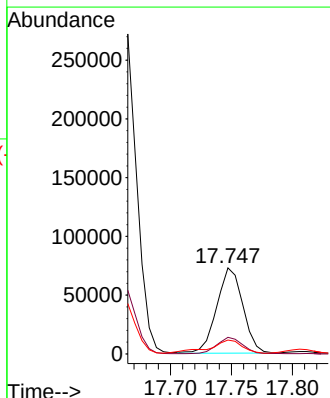
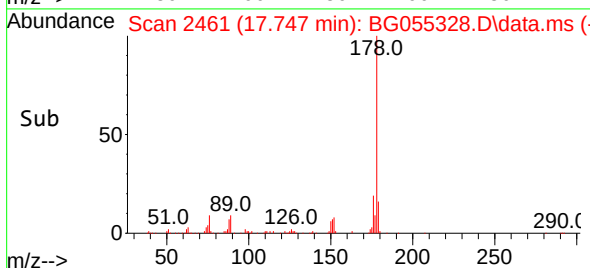
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022

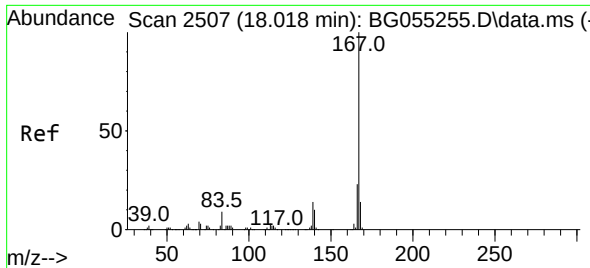


#72
Anthracene
Concen: 7.348 ng
RT: 17.747 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59



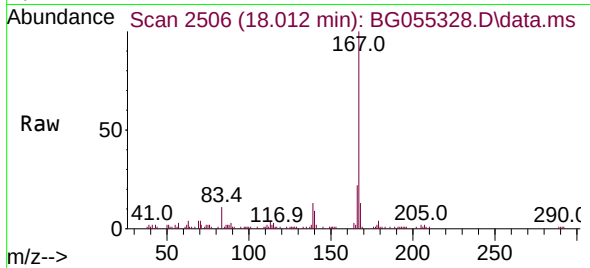
Tgt Ion:178 Resp: 108203
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 16.1 12.9 19.3





#73
 Carbazole
 Concen: 3.042 ng
 RT: 18.012 min Scan# 2506
 Delta R.T. -0.006 min
 Lab File: BG055328.D
 Acq: 27 Oct 2022 17:59

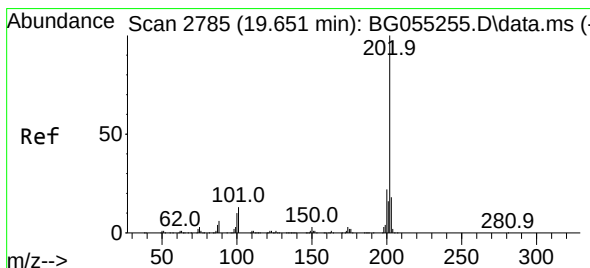
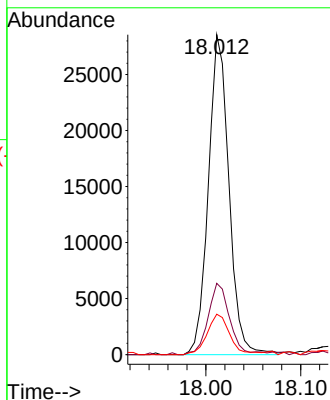
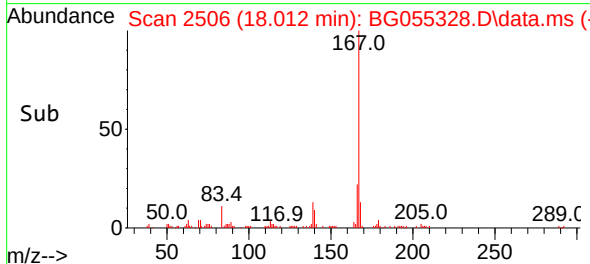
Instrument :
 BNA_G
 ClientSampleId :
 2673DL



Tgt Ion:167 Resp: 43080
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.6 27.8
 139 12.6 10.9 16.3

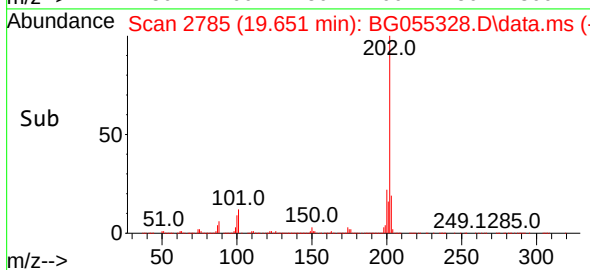
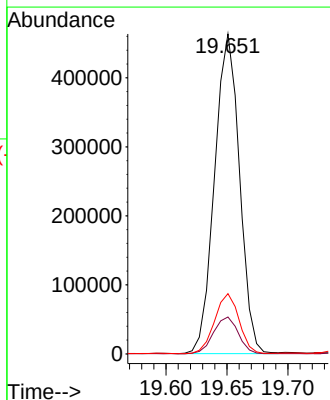
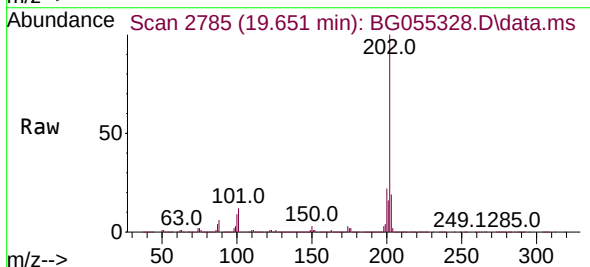
Manual Integrations
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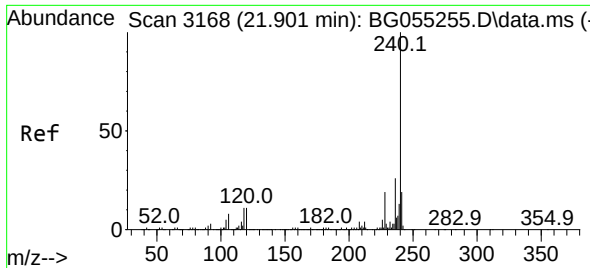
Reviewed By :Christian Giraldo 10/28/2022
 Supervised By :mohammad ahmed 11/02/2022



#75
 Fluoranthene
 Concen: 37.537 ng
 RT: 19.651 min Scan# 2785
 Delta R.T. -0.000 min
 Lab File: BG055328.D
 Acq: 27 Oct 2022 17:59

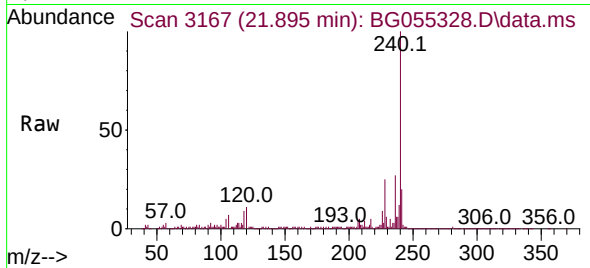
Tgt Ion:202 Resp: 658834
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 32.6
 203 18.8 0.0 38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3168
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

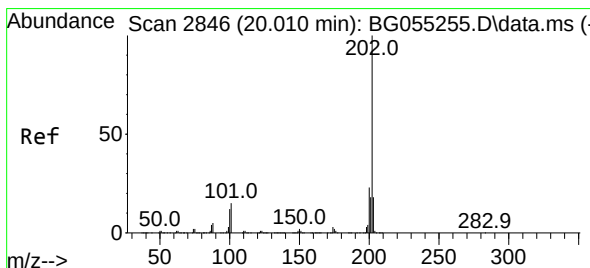
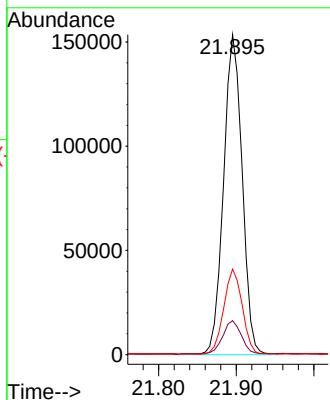
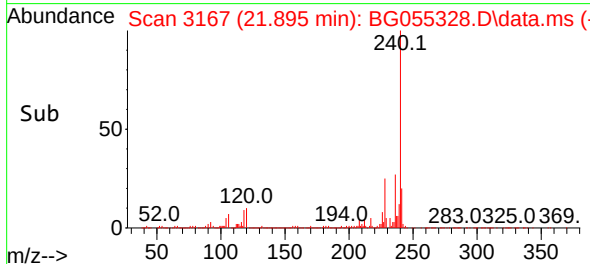
Instrument :
BNA_G
ClientSampleId :
2673DL



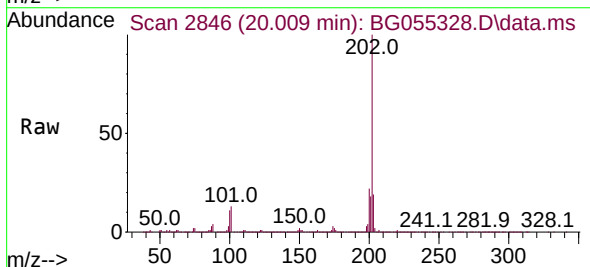
Tgt Ion:240 Resp: 256638
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 26.8 21.0 31.4

Manual Integrations
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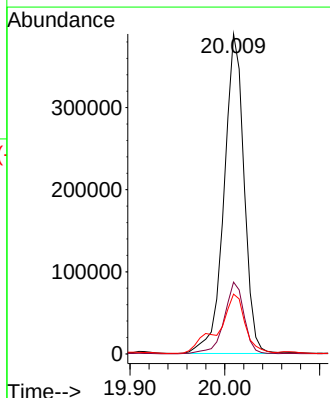
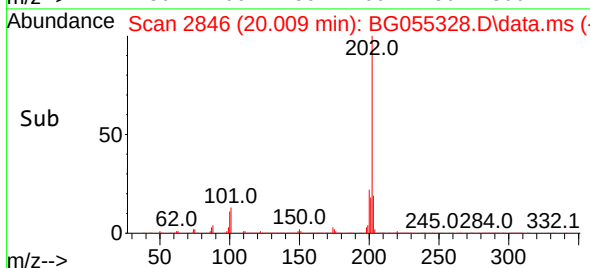
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022

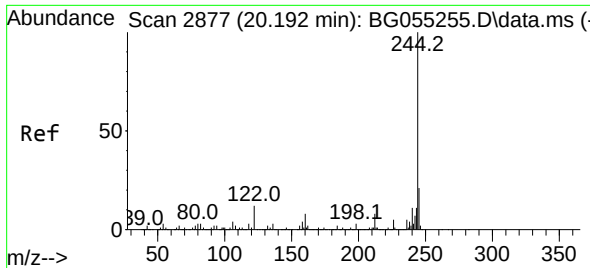


#78
Pyrene
Concen: 32.439 ng
RT: 20.009 min Scan# 2846
Delta R.T. -0.001 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59



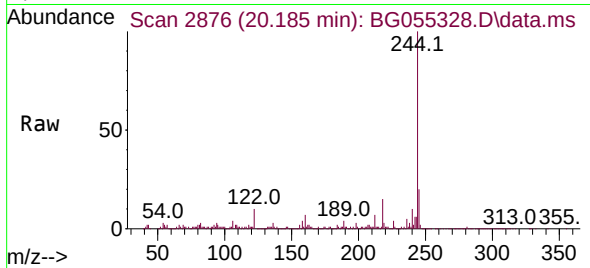
Tgt Ion:202 Resp: 570640
Ion Ratio Lower Upper
202 100
200 22.4 18.0 27.0
203 18.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 13.025 ng
 RT: 20.185 min Scan# 2877
 Delta R.T. -0.006 min
 Lab File: BG055328.D
 Acq: 27 Oct 2022 17:59

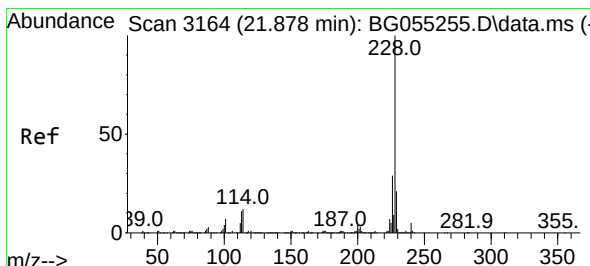
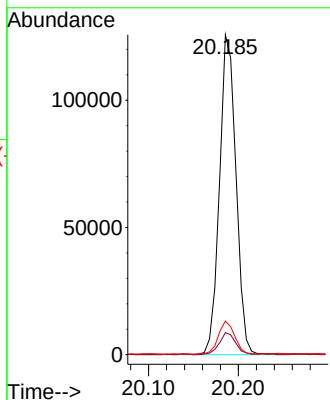
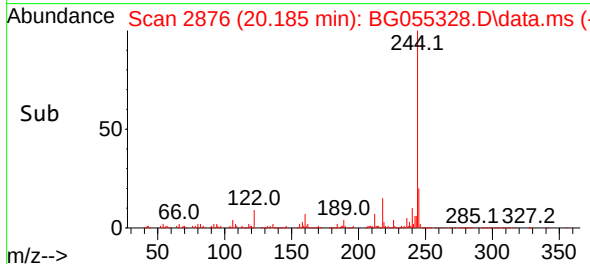
Instrument :
 BNA_G
 ClientSampleId :
 2673DL



Tgt Ion:244 Resp: 160892
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.5 9.6 14.4

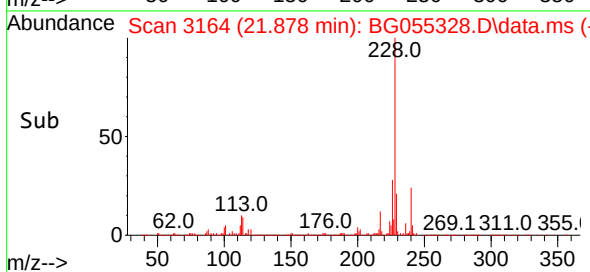
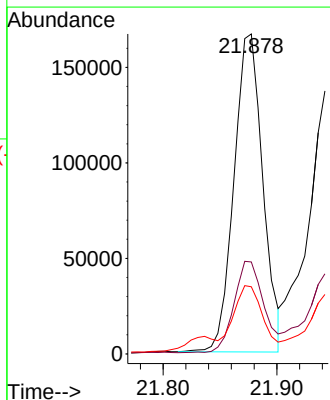
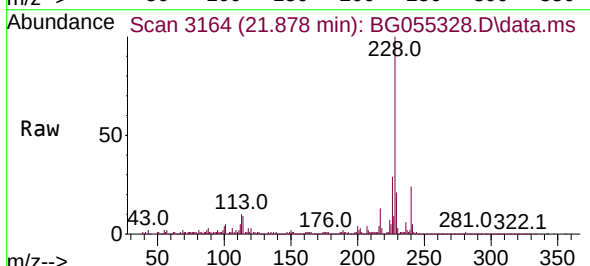
Manual Integrations
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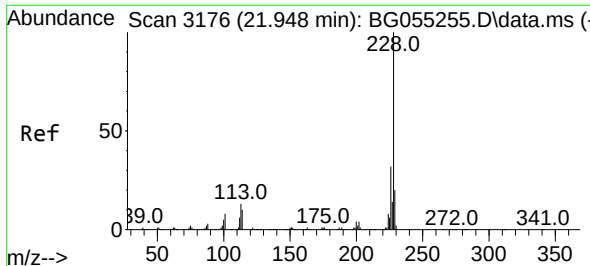
Reviewed By :Christian Giraldo 10/28/2022
 Supervised By :mohammad ahmed 11/02/2022



#81
 Benzo(a)anthracene
 Concen: 17.027 ng
 RT: 21.878 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: BG055328.D
 Acq: 27 Oct 2022 17:59

Tgt Ion:228 Resp: 293439
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.9 34.3
 229 21.0 16.7 25.1





#83

Chrysene

Concen: 16.109 ng

RT: 21.942 min Scan# 3176

Delta R.T. -0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

Instrument :

BNA_G

ClientSampleId :

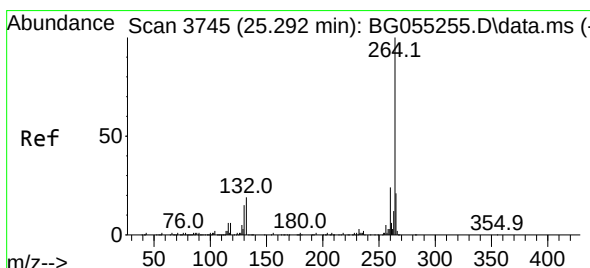
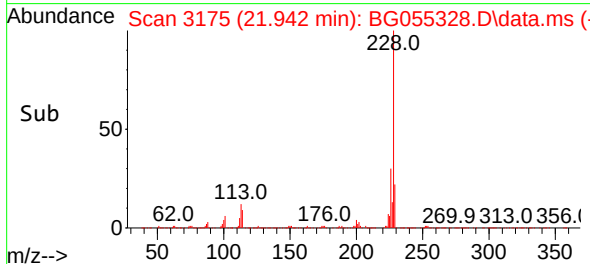
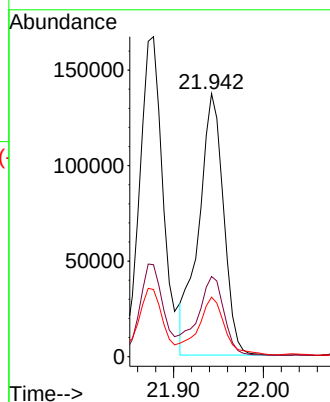
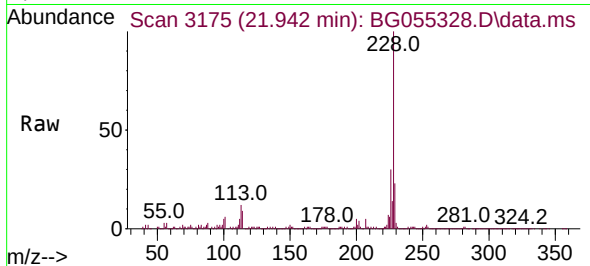
2673DL

Tgt Ion:228 Resp: 263712
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.8 38.8
 229 22.6 16.3 24.5

Manual Integrations

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Reviewed By :Christian Giraldo 10/28/2022
 Supervised By :mohammad ahmed 11/02/2022



#86

Perylene-d12

Concen: 20.000 ng

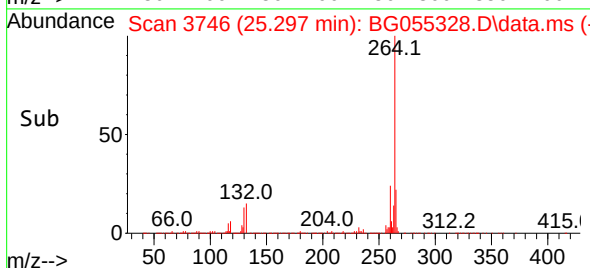
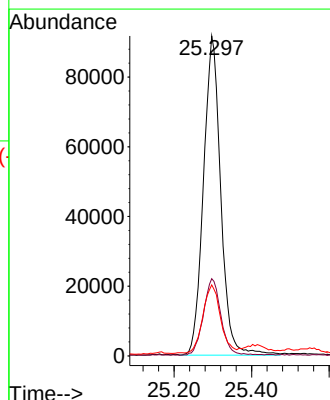
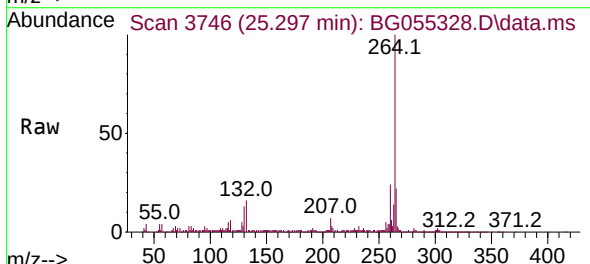
RT: 25.297 min Scan# 3746

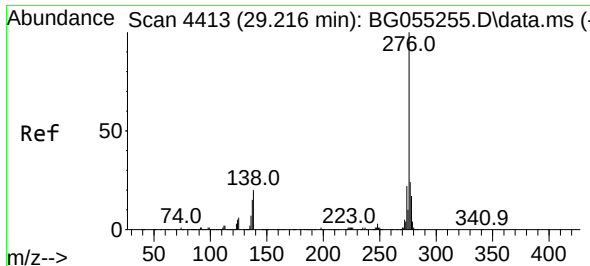
Delta R.T. 0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

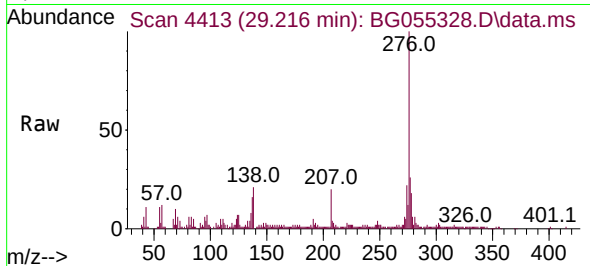
Tgt Ion:264 Resp: 283504
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 22.2 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.275 ng
 RT: 29.216 min Scan# 4413
 Delta R.T. -0.000 min
 Lab File: BG055328.D
 Acq: 27 Oct 2022 17:59

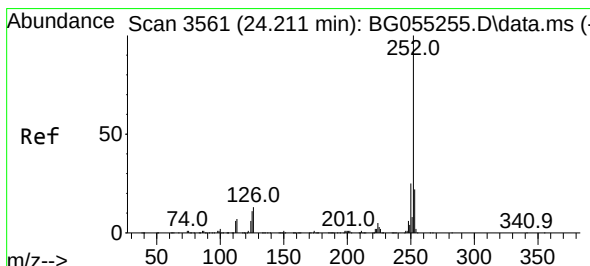
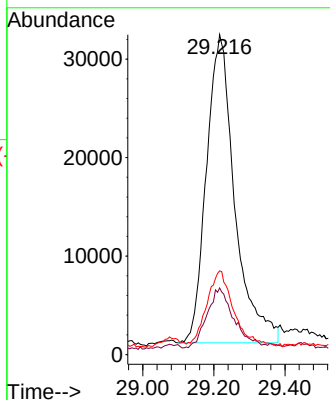
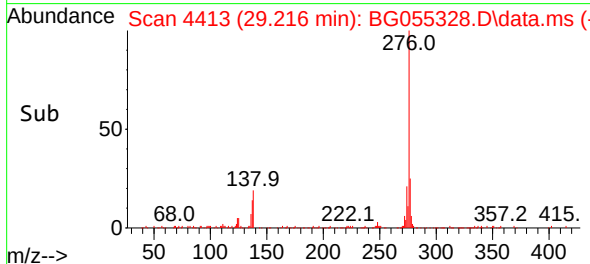
Instrument :
 BNA_G
 ClientSampleId :
 2673DL



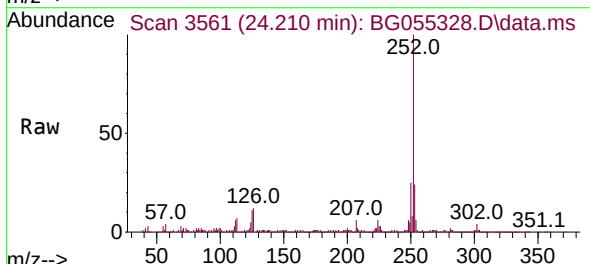
Tgt Ion: 276 Resp: 173261
 Ion Ratio Lower Upper
 276 100
 138 18.3 13.9 20.9
 277 23.2 20.3 30.5

Manual Integrations
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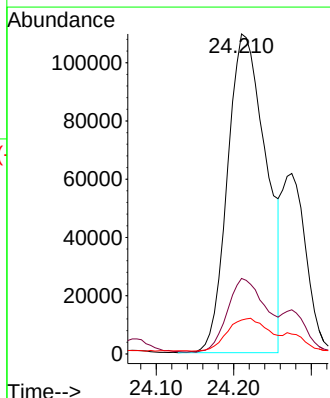
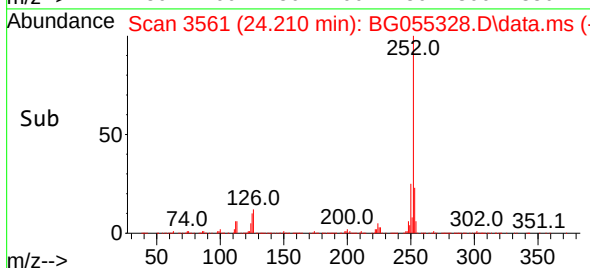
Reviewed By : Christian Giraldo 10/28/2022
 Supervised By : mohammad ahmed 11/02/2022

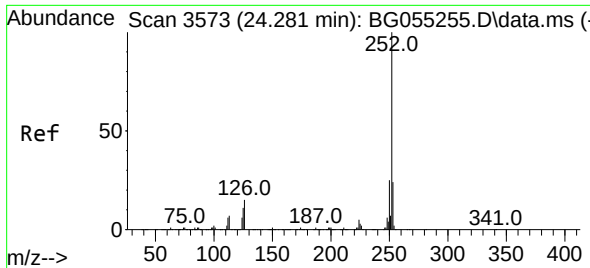


#88
 Benzo(b)fluoranthene
 Concen: 22.206 ng
 RT: 24.210 min Scan# 3561
 Delta R.T. -0.000 min
 Lab File: BG055328.D
 Acq: 27 Oct 2022 17:59



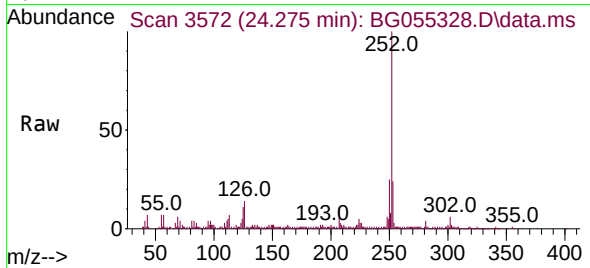
Tgt Ion: 252 Resp: 378689
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.6 26.4
 125 10.6 9.0 13.4





#89
Benzo(k)fluoranthene
Concen: 7.818 ng m
RT: 24.275 min Scan# 3573
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

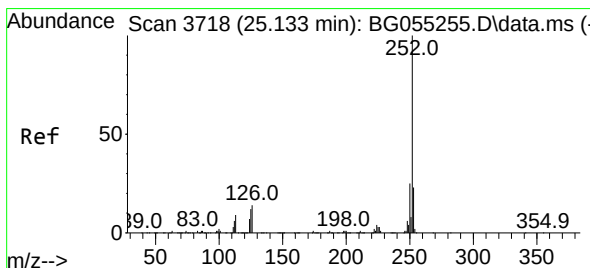
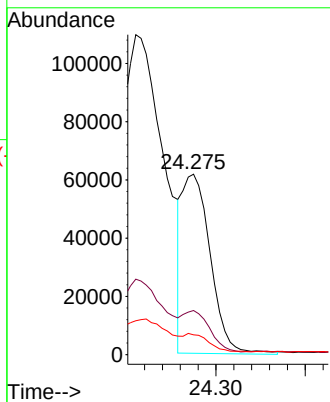
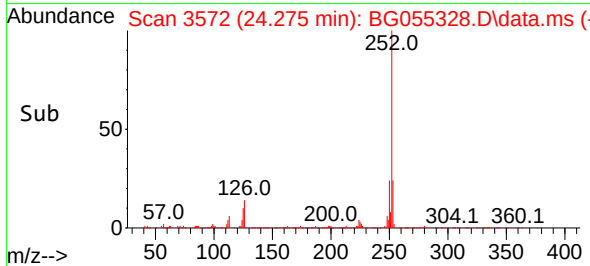
Instrument :
BNA_G
ClientSampleId :
2673DL



Tgt Ion:252 Resp: 134626
Ion Ratio Lower Upper
252 100
253 24.5 18.6 27.8
125 11.0 9.1 13.7

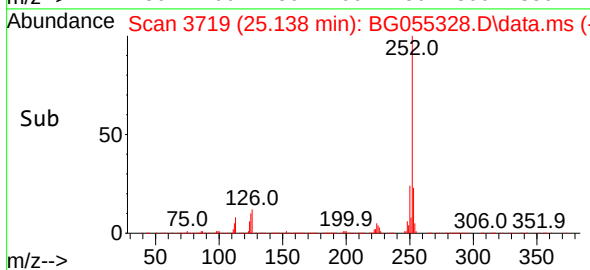
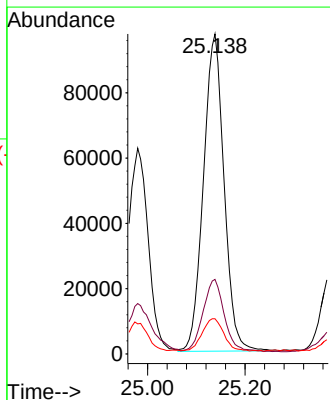
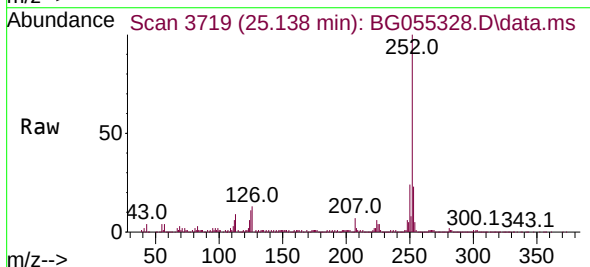
Manual Integrations
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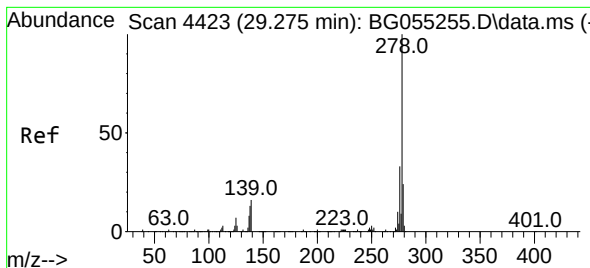
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022



#90
Benzo(a)pyrene
Concen: 19.554 ng
RT: 25.138 min Scan# 3719
Delta R.T. 0.005 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:252 Resp: 285954
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 11.0 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 2.616 ng

RT: 29.251 min Scan# 4419

Delta R.T. -0.024 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

Instrument :

BNA_G

ClientSampleId :

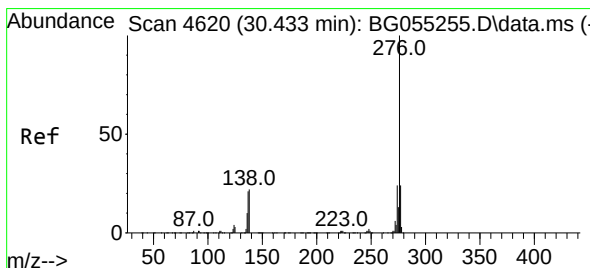
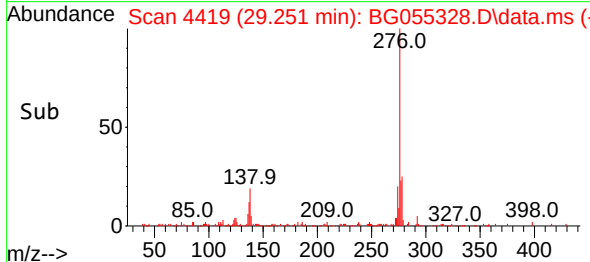
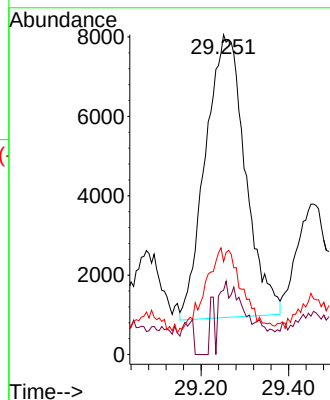
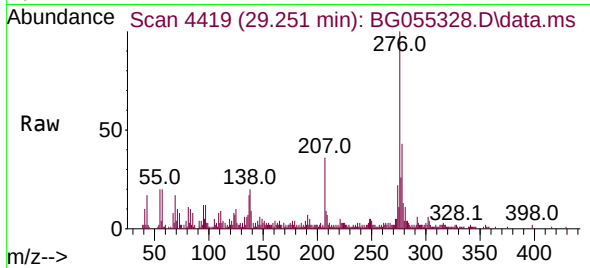
2673DL

Tgt Ion:	278	Resp:	44945
Ion Ratio	Lower	Upper	
278	100		
139	20.1	12.9	19.3
279	29.0	19.0	28.6

Manual Integrations

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Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022



#92

Benzo(g,h,i)perylene

Concen: 9.250 ng

RT: 30.450 min Scan# 4623

Delta R.T. 0.017 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

Tgt Ion:	276	Resp:	157658
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.1	28.7
138	21.9	17.2	25.8

